

Specifications:

Gene:	<i>hERMAP</i>
Accession:	NP_061008
Insert size:	1441bp
Concentration:	10µg at 0.2µg/µL

**hERMAP cDNA
Plasmid**

ERMAP erythroblast membrane associated protein (Scianna blood group) [*Homo sapiens*(human)]

Also known as: RD; SC; BTN5; PRO2801

Summary:

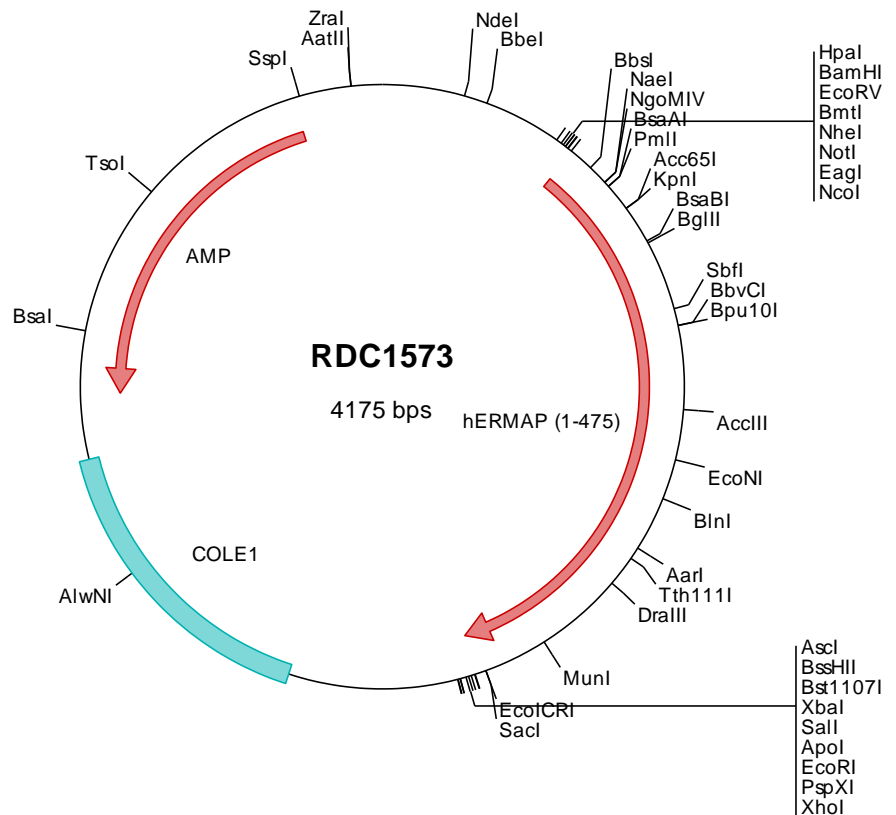
ERMAP is a member of the BTN/MOG family, Ig-Superfamily of proteins. It is expressed on erythrocytes and erythrocyte precursors and likely serves as a cell adhesion molecule. Polymorphisms in ERMAP are responsible for the Scianna/Radin blood group system. Alternatively spliced transcripts encoding different proteins have been described.

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.



> RDC1573 Plasmid DNA Sequence

```

1   tcgctgctgtt  cggatgatgac  ggtgaaaacc  tctgacacat  gcagctcccc  gagacggtca  cagcttgtct  gtaagcggat  gccgggagca  gacaagcccc
101  tcagggcgcg  tcagcgggtg  ttggcgggtg  tcggggctgg  cttactatg  cggcatcaga  gcagattgta  ctgagagtgc  accatagcgc  gttgaaata
201  ccgcacagat  gcgtaaggag  aaaatacccc  atcaggcgcc  attgccatt  caggctcgc  aactgttgg  aagggcgatc  ggtgcccc  tcttcctat
301  tacgccagct  ggcgaaaagg  ggatgtgctg  caaggcgatt  aagttgggta  acgccagggt  tttcccagtc  acgacgttgt  aaaacgacg  ccagtgaatt
401  ggagacgtgt  taacaagcct  ggatccgata  tcgctagcgc  ggccgccacc  atggagatgg  cgagttctgc  tggctctgg  ctctotggct  gctcatccc
501  tctctctctc  ctccggctgt  ctgtgcatgt  gtcaggccac  gcaggggatg  ccggcaagtt  ccactgtggc  ctactagggg  gcacagccga  gctgctctgc
601  cctctctccc  tctggcccgg  gacggtaccc  aaggaggatg  ggtggctgcg  gtccccatc  ccgcagcgc  cccaggctgt  tcacatattc  cgggatggga
701  aggaccagga  tgaagatctg  atgcccgaat  ataaggggag  gacggtgcta  gtgagagtgc  cccaagagg  aagtgtcact  ctgcagatcc  ttgacgtgcg
801  ccttgaggac  caagggtctt  accgatgtct  gatccaagtt  ggaatctga  gtaaagagga  caccgtgato  ctgcaggttg  cagccccatc  tgtggggagt
901  ctctcccctc  cagcagtggc  tctggtctgt  atoctgcctg  toctgttact  tctcatcatg  gtgtgccttt  gccttatctg  gaagcaaga  agagcaaaag
1001  aaaagctctc  ctatgaacat  gtgacagagg  tggacaatct  tottctagac  catgctaaag  aaaaaggaaa  actccataaa  gctgtcaaga  aactccggag
1101  tgaactgaag  ttgaaaagag  ctgcagcaaa  ctocaggctg  agaagagccc  ggttgcattt  tgggcagtg  accctggacc  cagacacagc  acatcccaa
1201  ctcatctctt  ctgaggacca  aagatgtgta  aggettggag  acagacggca  gctgttact  gacaacccc  agagatttga  tttogttgct  agcatcctag
1301  gctctcagta  cttaagact  gctgccaact  actgggaggt  gtaagtggga  gacaagacca  aatggattct  tggagtatgt  agtgagtcag  tgagcaggaa
1401  ggggaaggtt  actgctctac  ctgccaatgg  acactggctt  ctgcagcaga  gtcgtgggaa  tgagtatgaa  gctctccat  ccccgagac  ctctctccc
1501  cttaaagagc  ctccacgggt  tgtggggatt  ttoctggaat  atgaagcagg  agtcatctct  ttctacaatg  tgaccaaaa  gtcccacatc  tttactttca
1601  ccccaaatct  ctctggcccc  tcttggccct  tcttggaaac  ttgcttcaat  gtgagagtaa  aaaaacagc  acctctagtc  atttgttcag  aactccaaa
1701  atcagaggaa  toaatgttcc  ccaggccaga  agggaaagtc  catgctaatg  gagatgtgct  cctcaaggtg  aactctctt  tactacccc  gaaggccca
1801  gagctgaagg  atataatct  gtccttgccc  cctgactgtg  gccagcctt  tccaggagctc  aaggctcctt  ctttttaaag  gccgcccagt  atactctaga
1901  gtcgacaccc  ggggaatttc  tcgagcgtc  gtctctagct  tggcgtaatc  atggtcatag  ctgttctctg  tgtgaaattg  ttatccgctc  acaattccac
2001  acaacatcag  agcccgaagc  ataaagtgt  aagctggggg  tgccctaatg  gtgagctaac  tcacattaat  tgcgttgcg  tcactgccc  ctttccagtc
2101  gggaaacctg  tcgtgcccag  gtcattaatg  aatcggccaa  cgcgcccggg  gagggcggtt  gcgtattggg  cgctctccg  ctctctctc  ctctgactcg
2201  ttgctctcgg  tcgttccgct  ggcgagcag  gtatcagctc  actcaaaagg  gtaaatcagg  ttatccacag  aatcagggga  taacgcagga  aagaacatgt
2301  gagcaaaaag  ccagcaaaaag  gccaggaacc  gtaaaaaggc  cgcgttctgc  gctgttttcc  ataggctccg  ccccctgac  gagcatcaca  aaaaacgagc
2401  ctcaagctag  aggtggcgaa  acccgacagg  actataaaga  taccagcgct  tccccctgg  aaactccctc  gtcgctctc  gtgtccgag  ctgcccgtt
2501  accggatacc  tgtccgcctt  tctcccctg  ggaagcgtg  cgctttctca  atgctcagcg  ttaggtatc  tcagttcgg  gtaggctgt  cgctccaagc
2601  tggctctgtg  gcacgaaccc  cccgttcagc  ccgaccgctg  cgccttatcc  gtaaacatc  gtcttgagtc  caaccggta  agcacagct  tatcgccact
2701  ggcagcagcc  actgtaaaca  ggattagcag  agcaggtat  gtaggcggtg  ctacagagtt  ctgaaagtgg  tggcctaact  acggctaac  tagaaggaca
2801  ttatttggta  tctgctctct  gctgaagcca  gttactctg  gaaaaagatt  ttgtagctct  tgatccggca  aaaaaaccac  cgctggtagc  ggtggtttt
2901  ttggttgcaa  gcagcagatt  accgcagaaa  aaaaaggatc  tcaagaagat  cctttgatct  tttctacgg  gtctgagct  cagtggaacg  aaaactcaag
3001  ttaagggatt  ttggtcatga  gattatcaaa  aaggatcttc  acctagatcc  ttttaaat  aaaaatgaag  tttaaatcaa  tctaaagtat  atatgagtaa
3101  acttggctg  acagttacca  atgcttaatc  agtgaggcac  ctatctcagc  gatctgtcta  tttcgttcat  ccatagttgc  ctgactcccc  gtcgtgtaga
3201  taactacatg  accggagggc  ttaccatctg  gccccagtc  tgcaatgata  ccgcgagacc  cacgctcacc  ggctccagat  ttatcagcaa  taaaccagcc
3301  agccggaagg  ccgagcgca  gaagtggctc  tgcaacttta  tcccctcca  tccagctcat  taattgttgc  cgggaagcta  gtagtaagtag  ttcgcccagt
3401  aatagtttgc  gcaacgttgt  tgccattgct  acaggcatcg  ttggtgcaag  ctctgctgtt  ggtatggctt  cactcagctc  cggttcccaa  cgatcaaggc
3501  gagttacatg  atccccatg  ttgtgcaaaa  aagcggttag  ctccctcggt  cctccagatg  ttgtcagaag  taagtggcc  gcagtgttat  cactcatggt
3601  tatggcagca  ctgcataatt  ctcttactgt  catgccatcc  gtaagatgct  tttctgtgac  tgggtgagta  tcaaccaagt  cattctgaga  atagtgatat
3701  cggcgaccga  gttgctcttg  cccggcgtca  ataccggata  ataccgcgcc  acatagcaga  actttaaaag  tgctcatcat  tggaaaacgt  tcttcggggc
3801  gaaaactctc  aaggatctta  ccgctgttga  gatccagttc  gatgtaaccc  actcgtgcac  ccaactgato  ttcagcatct  tttactttca  ccagcgtttc
3901  tgggtgagca  aaaaacaggaa  gcaaaaatgc  cgcaaaaag  ggaataaggg  cgacacggaa  atggtgaaat  ctcatactct  tccttttca  atattatgga
4001  agcattttac  agggttattg  tctcatgagc  ggatacatat  ttgaatgtat  ttagaaaaat  aaacaaatag  ggttccgag  cacatttccc  cgaaaagtc
4101  cacctgacgt  ctaagaaacc  attattatca  tgacattaac  ctataaaaa  aggcgtatca  cgaggccctt  tcgtc

```

> RDC1573 Translated Insert Sequence

```

1   memassagsw  lsgcliplvf  lrslvshvsg  agdagkfha  llggtaelic  plslwpgtvp  kevrwlrsfp  pqrsqavhif  rdgkdqdedl  mpeykgtrvl
101  vrdaqegsvt  lqildvrled  ggsyrcliqv  gnlskedtvi  lqvaapsvgs  lpsavalav  ilpvlvllim  vlcliwkqr  rakeklyeh  vtevdnllsd
201  hakekglkh  avklrslsk  lkraaansgw  rrarlhfvav  tldpdtahpk  lilsedqrcv  rlgdrrqpvp  dnpqrdfvfv  silgseyftt  gchywevyvg
301  dktkwilgvc  sesvsrkqkv  taspanghwl  lrqsrneye  altspqtsfr  lkepprcvgi  fldyeagvis  fynvtnkshi  ftfthnfsfp  lrpffepclh
401  dggkntapl  icseilhsee  sivprpegkg  hangdvsllk  nsllppkap  elkdiiilsl  pdlqpalqel  kapsf

```