

Specifications:

Gene:	hJTB
Accession:	NP_006685
Insert size:	454bp
Concentration:	10µg at 0.2µg/µL

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.

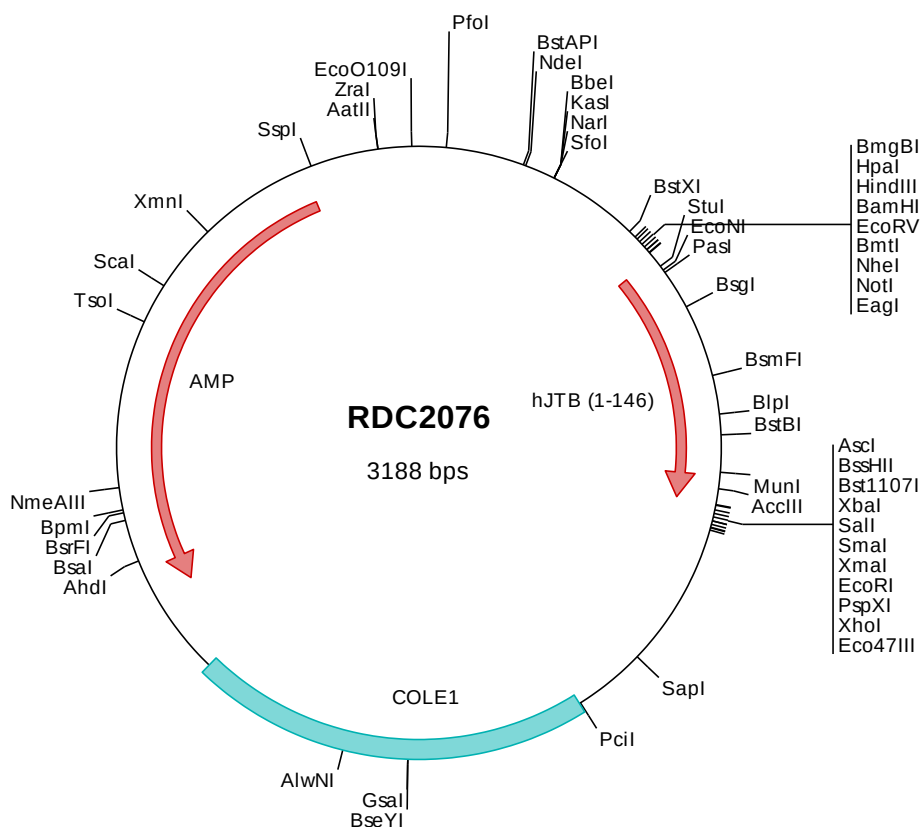
hJTB cDNA Plasmid

JTB jumping translocation
breakpoint [*Homo sapiens*
(human)]

Also known as: PAR; hJT; hJTB;
HSPC222

Summary:

JTB is an orphan receptor that is conserved from nematodes to humans and whose gene expression in humans is strikingly upregulated in diverse types of cancers. It is required for normal cytokinesis during mitosis and plays a role in the regulation of cell proliferation.



> RDC2076 Plasmid DNA Sequence

```

1   tcgcgcgctt  cggatgatgac  ggtgaaaaac  tctgacacat  gcagctcccc  gagacggtca  cagcttgctc  gtaagcggat  gccgggagca  gacaagcccc
101  tcagggcgcg  tcagcgggtg  ttggcgggtg  tcggggctgg  ctttaactatg  cggcatcaga  gcagattgta  ctgagagtgc  accatatgcg  gtgtgaaata
201  ccgcacacgat  gcgtaaggag  aaaataccgc  atcaggcgcc  attcgccatt  caggctcgcg  aactgttggg  aagggcgatc  ggtcggggcc  tcttcgctat
301  tacgccagct  ggcgaaagg  ggatgtgctg  caaggcgatt  aagttgggta  acgccagggt  tttcccagtc  acgacgttgt  aaaacgacgg  ccagtgaatt
401  ggagacgtgt  taacaagctt  ggatccgata  tcgctagcgc  ggccgccaac  atgcttgccg  gtgccgggag  gcctggcctc  ccccgaggcc  gccacotctg
501  ctggttgctc  tgtgtcttca  ccttaaagct  ctgccaaagca  gaggtctccg  tgcagggaaga  gaagctgtca  gcaagcacct  caaatttgcc  atgctggctg
601  gtggaagagt  ttgtggtagc  agaagagtgc  totccatgct  ctaatttcgc  ggctaaaact  acccctgagt  gtggtcccac  aggatatgta  gagaaaatca
701  catgcagctc  atctaagaga  aatgagttca  aaagctgcgc  ctcagctttg  atggaacaac  gcttattttg  gaagttcgaa  ggggctgtcg  tgtgtgtggc
801  cctgatcttc  gcttgctttg  tcatcatctg  tcagcgacaa  ttggacagaa  aggtctctga  aaagttccgg  aagcaaatcg  agtccatata  aaggcgcgcc
901  agtatactct  agagtgcaca  cccggggaat  tcctcgagcg  cctgtctcta  gcttggcgta  atcatgggtc  tagctgtttc  ctgtgtgaaa  ttgttatccg
1001  ctcacaattc  cacacaacat  acgagccgga  agcataaagt  gtaaaagctg  ggggtgcctaa  tgagttagct  aactcacatt  aattgctgtg  cgctcactgc
1101  ccgctttcca  gtcgggaaac  ctgtcgtgcc  agctgcatta  atgaatcgcc  caacgcgcgg  ggagaggcgg  tttgcgtatt  gggcgctott  ccgcttctc
1201  gctcactgac  tcgctgcgct  cggctcgttc  gctcgccgca  gcggtatcag  ctcaactcaa  ggcggtata  cggttatcca  cagaatcagg  ggataacgca
1301  ggaaagaaca  tgtgagcaaa  aggccagcaa  aagggcagg  accgtaaaaa  ggccgcgttg  ctggcgtttt  tccataggct  ccgccccct  gacgagcatc
1401  acaaaaaatc  acgctcaagt  cagaggtggc  gaaacccgac  aggactataa  agataccagg  cgtttccccc  tggaagctcc  ctgctgcgct  ctctgttcc
1501  gaccctgcgc  cttaccggat  acctgtccgc  ctttctccct  tcgggaagcg  tggcgctttc  tcaatgtcca  cgctgtaggt  atctcagttc  ggtgtaggtc
1601  gttcgctcca  agctgggctg  tgtgcacgaa  cccccggttc  agcccgaccg  ctgcgcctta  tcgggtaact  atcgcttga  gtccaacccg  gtaagacacg
1701  acttatcgcc  actggcagca  gccactggta  acaggattag  cagagcgagg  tatgtaggcg  gtgctacaga  gttcttgaag  tggtagccta  actacggcta
1801  cactagaagg  acagtatttg  gtatctgcgc  totgtcgaag  ccagttacct  tcggaaaaag  agttggtagc  tcttgatccg  gcaaacaaac  caccgtgggt
1901  agcgggtggt  tttttgtttg  caagcagcag  attacgcgca  gaaaaaaagg  atctcaagaa  gatcctttga  tctttctac  ggggtctgac  gctcagtggg
2001  acgaaaaatc  acgttaagg  attttgttca  tgagattatc  aaaaaggatc  ttacacctaga  tccttttaaa  ttaaaatga  agttttaaat  caatctaaag
2101  tatatatgag  taaacttggt  ctgacagtta  ccaatgctta  atcagtgagg  cacctatctc  agcgatctgt  ctatttcgtt  catccatagt  tgctgactc
2201  cccgtcgtgt  agataactac  gatacgggag  ggcttaccat  ctggccccag  tgctgcaatg  ataccgcgag  acccacgctc  accggctcca  gatttatcag
2301  caataaacca  gccagccgga  agggccgagc  gcagaagtgg  tcctcgcaact  ttatcccgct  ccatccagtc  tattaattgt  tgccgggaag  ctgagtagag
2401  tagttcgcca  gttaaatagt  tgcgcaacgt  tgttgccatt  gctacaggca  tcgtgtgttc  acgctcgtcg  tttggtatgg  cttcatcag  ctccggttcc
2501  caacgatcaa  ggcgagttac  atgatcccc  atgttgtgca  aaaaagcggt  tagctccttc  ggtcctccga  tcgttgtcag  aagtaagttg  gccgcagttg
2601  tatcactcat  ggttatggca  gcaactgcata  attctcttac  tgtcatgcc  tccgtaagat  gcttttctgt  gactgggtgag  tactcaacca  agtcattctg
2701  agaatagtgt  atgcggcgac  cgagttgctc  ttgcccggcg  tcaataccgc  ataataccgc  gccacatagc  agaactttaa  aagtgctcat  cattggaaaa
2801  cgttcttctg  ggcgaaaact  ctcaaggatc  ttaccgctgt  tgagatccag  ttcgatgtaa  cccactcgtg  cacccaactg  atcttcagca  tcttttactt
2901  tcaccagcgt  ttctgggtga  gcaaaaaacag  gaaggcaaaa  tgccgcaaaa  aagggaataa  gggcgacacg  gaaatgttga  atactcatac  tcttctttt
3001  tcaatattat  tgaagcattt  atcagggtta  ttgtctcatg  agcggataca  tatttgaatg  tatttagaaa  aataaacaac  taggggttcc  gcgcacattt
3101  ccccgaagg  tggcacctga  cgtctaagaa  accattatta  tcatgcacatt  aacctataaa  aataggcgta  tcacgaggcc  ctttcgtc

```

> RDC2076 Translated Insert Sequence

```

1   mlagagrpgl  pqgrhlclwll  caftlkklcqa  eapvqeeeks  astsnlpcwl  veefvvaec  spcsnfrakt  tpecgptgyv  ekitsssskr  nefksrsl
101  megrlwfkwf  gavvvalif  aclviirqrq  ldrkalekvr  kqiesi

```