*m*SCARA3 VersaClone cDNA

Catalog Number: RDC2542

Specifications:

Gene:	*m*Scara3
Accession:	NP_766192
Insert size:	1834bp
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

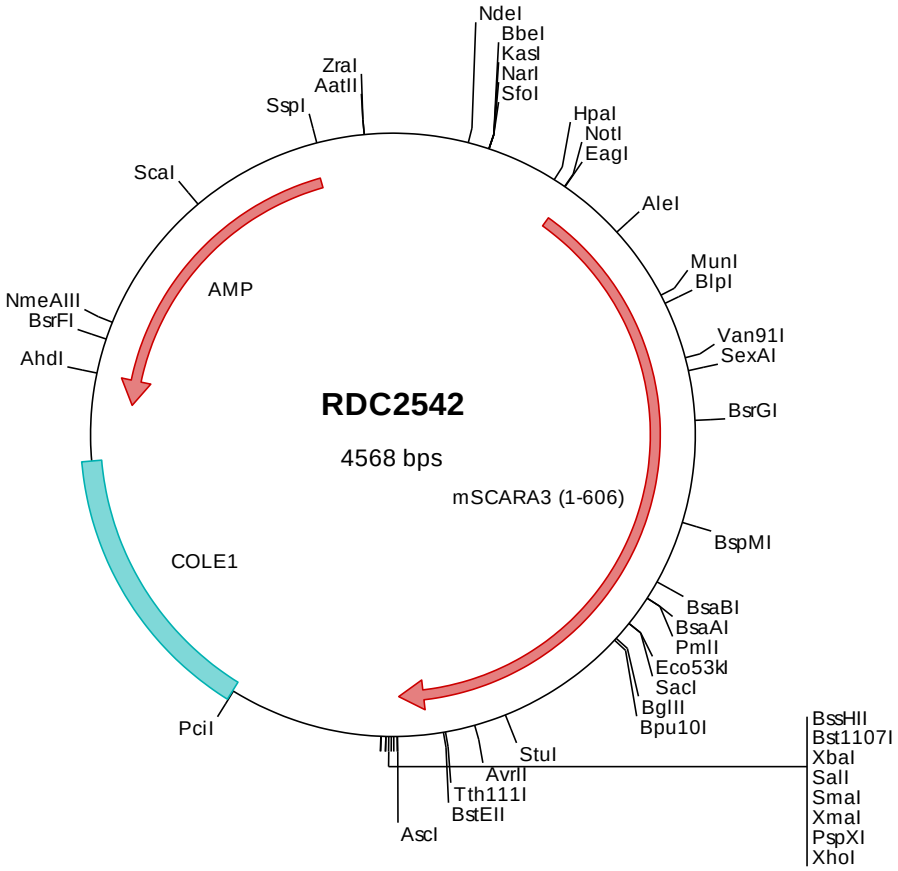
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*m*SCARA3 cDNA Plasmid

Scara3 scavenger receptor class A, member 3 [*Mus musculus* (house mouse)]

Also known as: CSR; APC7; CSR1; MSLR1; MSRL1; C130058N24Rik

Summary:
SCARA3 is a macrophage scavenger receptor-like protein. It has been shown to deplete reactive oxygen species, and thus plays an important role in protecting cells from oxidative stress. The expression of SCARA3 is induced by oxidative stress.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

R&D SYSTEMS
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> RDC2542 Plasmid DNA Sequence

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 101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atgaaagtga gatcagctgg cagtgacagg gatgtactgt gtgtcactga
 501  agaggacctg gctggtgaag acgaggacat gccatccttc ccatgcaccc aagagggccg ggcaggaccc cgctgcaacc gctgccagaa gaacctatct
 601  ttgcacacat cagtgcggat tttgtacctc ttcctcactc tgctcctggt ggccgtggct gtgctggcct ctctggtttt tagaaaggtg gactctctct
 701  cagaagatat ctccttggcc cagtccatct ataataagaa gcttgtgtca atgcaagaaa atcttcaagg actagaccca aaagccctga tcaattgttc
 801  cttttgccgt gaggctgagc agctggggca agagatcagg aaggtccagg aggagctgga ggggcttcag aagatgctgc tagcccagga ggtccagctg
 901  gaccagacct cccagaccca tgagctgctc tccaccagaa gcagtcaaat ctcccaggag atgggcagtt gctccttctc cattcaccag gtcaatcagt
1001  ccctgggact cttcctggca caggtgaggg gctggcaggc caccacagca ggcatggaca tcaccctgaa ggacctcacc caggagtgct atgatgtcaa
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1201  atagtcactg actggcagaa ctacaccaga ctctttgggg gtctgcgaac cacctctgcc aagactggcg aaatagtcaa gaccattcag accaccctgg
1301  gggcctcctc acagcgcatt agccagaatt ctgagagcat gcatgacttg gttctgcagg tcatgggcct acagctacag ctggacaaca tctcttcctt
1401  tttggatgac catgaggaga acatgcatga cctccaatac cacacccgat atgcccagaa tcgcacagtg gaaaggttcg agtctctgga aggacgtatg
1501  gcttctcatg agattgaaat cggcactatc ttcaccaata tcaatgccac cgacaaccac gtgcacagca tgctcaagta cctggacgac gtgcggctgt
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1701  cagtctgctc agtgcccggt tagacttcaa tgtccgaaac ctctccatga tcatggagga aatgaaggct gtggacacac accacggaga aatccttcgc
1801  aatgtcaccg tcatccgagg tgtccccggc cctccaggac caagaggact caaaggagat acaggcgtga aaggacctgt tggtagcaga ggacctaaag
1901  gggatcctgg caatctggga cccccaggac ctcagggtcc tcaggggcag cctggggagc caggacctgt gggagaaaga gggccagctg gccccagagg
2001  ctttccaggc ctcaaaggct caaagggcag ctttggcact ggaggaccaa gggggcagcc aggccccaag ggggatgtgg ggcccctagg gccagagggg
2101  cccccagggt ctccaggacc ttcagggcct cagggaaagc caggaatttc aggaaagaca gggtcaccag gccagcgagg ggccacaggg cctaagggtg
2201  aaccaggcat ccagggtccc cctggactac ctggacctcc aggtccacca gggaaccaga gcccctacta aaggcgcgcc agtatactct agagtcgaca
2301  cccggggaat tcctcgagcg ctcgtctcta gcttggcgta atcatggtca tagctgtttc ctgtgtgaaa ttgttatccg ctcacaattc cacacaacat
2401  acgagccgga agcataaagt gtaaagcctg gggtgcctaa tgagtgagct aactcacatt aattgcgttg cgctcactgc ccgctttcca gtcgggaaac
2501  ctgtcgtgcc agctgcatta atgaatcggc caacgcgcgg ggagaggcgg tttgcgtatt gggcgctctt ccgcttcctc gctcactgac tcgctgcgct
2601  cggtcgttcg gctgcggcga gcggtatcag ctcactcaaa ggcggtaata cggttatcca cagaatcagg ggataacgca ggaaagaaca tgtgagcaaa
2701  aggccagcaa aaggccagga accgtaaaaa ggccgcgttg ctggcgtttt tccataggct ccgcccccct gacgagcatc acaaaaatcg acgctcaagt
2801  cagaggtggc gaaacccgac aggactataa agataccagg cgtttccccc tggaagctcc ctcgtgcgct ctcctgttcc gaccctgccg cttaccggat
2901  acctgtccgc ctttctccct tcgggaagcg tggcgctttc tcaatgctca cgctgtaggt atctcagttc ggtgtaggtc gttcgctcca agctgggctg
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3401  attttggtca tgagattatc aaaaaggatc ttcacctaga tccttttaaa ttaaaaatga agttttaaat caatctaaag tatatatgag taaacttggt
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3701  agggccgagc gcagaagtgg tcctgcaact ttatccgcct ccatccagtc tattaattgt tgccgggaag ctagagtaag tagttcgcca gttaatagtt
3801  tgcgcaacgt tgttgccatt gctacaggca tcgtggtgtc acgctcgtcg tttggtatgg cttcattcag ctccggttcc caacgatcaa ggcgagttac
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> RDC2542 Translated Insert Sequence

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 101  mqenlqgldp kalincsfcr eaeqlgqeir kvqeeleglq kmllaqevql dqtsqthell strssqisqe mgscsfsihq vnqslglfla qvrgwqatta
 201  gmditlkdlt qecydvkaav hqinftvgqt aewihgiqrk tdeetltlqk ivtdwqnytr lfgglrttsa ktgeivktiq ttlgassqri sqnsesmhdl
 301  vlqvmglqlq ldnissfldd heenmhdlqy htryaqnrtv erfeslegrm asheieigti ftninatdnh vhsmlkyldd vrlsctlgfh thaeelyyln
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 601  gnqspy
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