

## Specifications:

Gene:	hMS4A4A
Accession:	NP_683876
Insert size:	733bp
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.

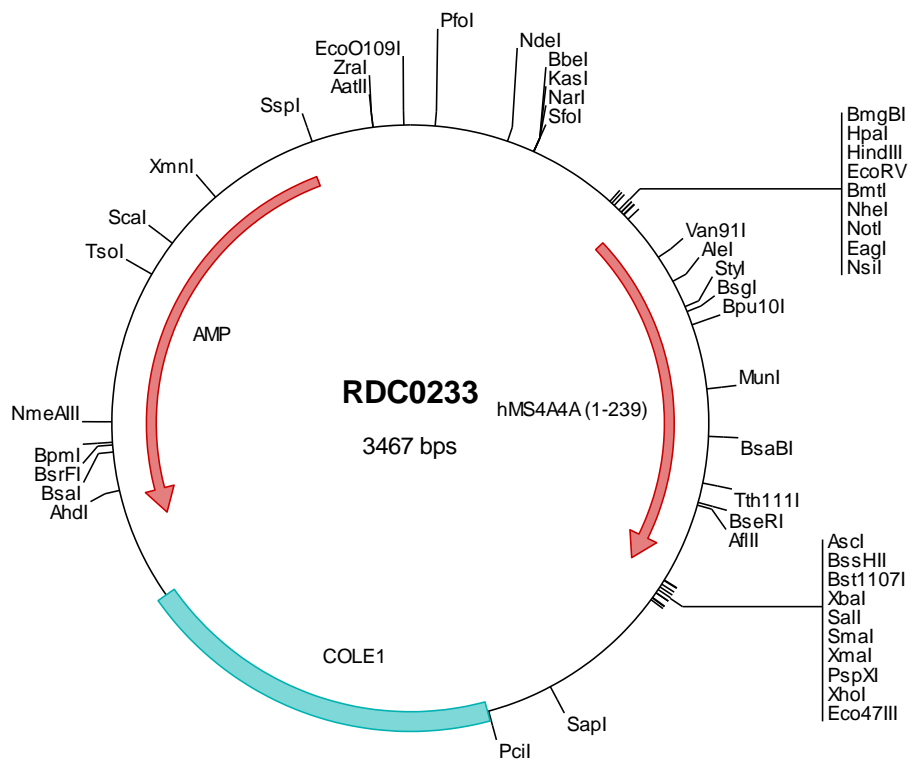
## hMS4A4A cDNA Plasmid

**MS4A4A membrane-spanning 4-domains, subfamily A, member 4A [ *Homo sapiens* ]**

**Also known as:** MS4A4; MS4A7; 4SPAN1; CD20L1; CD20-L1; HDCME31P

### Summary:

MS4A4A is a member of the membrane-spanning 4A gene family. Members of this nascent protein family are characterized by common structural features, similar intron/exon splice boundaries, and display unique expression patterns in hematopoietic cells and nonlymphoid tissues. MS4A4A displays variable expression in multiple hemopoietic cell lines. MS4A4A may be involved in signal transduction as a component of a multimeric receptor complex.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC0233 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggta cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tetggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatagtcg gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtcggggcc tcttcgctat
301 taaggcagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccgggt ttccagctc acgacgttgt aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggaatccgata tetgtagcgc ggcggccacc atgcatcaga cctacagcag acattgcagg cctgaagaaa gcaccttttc
501 tgcggccatg acaaccatgc aaggaatgga acaggccatg ccaggggctg gccctgggtg gcccagctg ggaaacatgg ctgtcataca ttcaatctg
601 tggaaggat tgcaagagaa gttottgaag ggagaacca aagtocttgg ggttgtgcag attctgactg coctgatgag ccttagcatg ggaataacaa
701 tgatgtgat ggcactcaat acttatggaa gtaaccctat ttccgtgat atcgggtaca caatttgggg gtcagtaatg tttattattt caggatocct
801 gtoaattgca gcaggaaata gaactacaaa aggcctggtc cgaggtagtc taggaatgaa tatcaccagc tctgtactgg ctgcatcagg gatottaatc
901 aacacattta gcttggcgtt ttatcattc catcaocctt actgtaacta ctatggcaac tcaataaatt gtcattgggac tatgtccatc ttaatgggtc
1001 tggatggcat ggtgtcctc ttaagtgtgc tgggaattctg cattgtctg tcctctctctg cctttggatg taaagtgtc tgttgtaccc ctgggtgggt
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1201 ccggggaatt cctcagcgc tcgtctctag cttggcgtaa tcatggtcat agctgttcc tgtgtgaaat tgttatccgc tcacaattcc acacaacata
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1401 tgtcgtgcca gctgcattaa tgaatcggcc aacgcgcggg gagaggcgtt ttgcgtattg ttgcgtcttc cgcttcctcg ctactgact cgctgcgctc
1501 ggtcgttccg ctgcggcag cgttatcagc tcaactcaaag cgcgtaatac ggttatccac agaactcagg gataacgag gaaagaacat gtgagcaaaa
1601 ggccagcaaa aggcacaggaa ccgtaaaaag gccgcgttgc tggcggtttt ccatagctc cgccccctg acgagcatca caaaaatcga cgctcaagtc
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1801 cctgtccgcc tttctccctt cgggaagcgt ggcgctttct caatgctcac gctgtaggta tctcagttcg gtgtaggtcg ttcgctccaa gctgggctgt
1901 gtgcaagcaac ccccggttca gcccgaccgc tgcgcttat ccgtaacta tctgtcttgg tccaaccgg taagacacga cttatcgcca ctggcagcag
2001 ccaactgtaa caggattagc agagcgaggt atgtaggcgg tgctacagag ttcttgaagt ggtggcctaa ctacggctac actagaagga cagtatttgg
2101 tatctgcgct ctgctgaagc cagttacctt cggaaaaaga gttggtagct cttgatccgg caaacaacc accgctggta gcggtggttt tttgtttgc
2201 aagcagcaga ttacgcgcag aaaaaagga tctcaagaag atcctttgat ctttctacg gggctgagc ctgagtgaa cgaaaactca cgttaaggga
2301 ttttggctat gagattatca aaaaggatct tcacctagat ccttttaaat taaaaatgaa gttttaaato aatctaaagt atatatgagt aaacttggtc
2401 tgacagttac caatgcttaa tcagttaggc acctatctca gogactgtc tatttctgtc atccatagtt gcctgactcc ccgtcgtgta gataactacg
2501 ataccggagg gcttaccatc tggccccagt gctgcaatga taccgcgaga cccagctca ccggctccag atttatcagc aataaaccag ccagccggaa
2601 gggccgagcg cagaagtgtt cctgcaactt tatccgcctc catccagctc attaatgtt gccgggaagc tagagtaagt agttcgccag ttaatagttt
2701 gcgcaacggt gttgccaattg ctacagcagc cgtggtgtca cgctcgtcgt ttggtatggc ttcattcagc tccggttccc aacgatcaag gcgagtaca
2801 tgatccccca tgttgtgcaa aaaagcgtt agctccttcg gtctcctgat cgttgcaga agtaagtgg ccgagtggt atcactcatg gttatggcag
2901 cactgcataa ttctcttact gtcattccat ccgtaagatg ctttctgtg actgggtgag actcaaccaa gtcattctga gaatagtgta tgcggcgacc
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3101 caaaggatct taccgctgtt gagatccagt tcgatgtaac ccactcgtgc aaccaactga tcttcagcat cttttacttt caccagcgtt tctgggtgag
3201 caaaaaacagg aaggcaaaat gccgcaaaaa agggaataag ggcgacacgg aaatgttgaa tactcact ctctctttt caatattatt gaagcattta
3301 tcagggttat tgtctcatga gcggatacat atttgaatgt atttagaaaa ataaacaat aggggttccg cgcacatttc cccgaaaagt gccacctgac
3401 gtctaagaaa ccattattat catgacatta acctataaaa ataggcgtat cacgagggcc tttcgtc

> RDC0233 Translated Insert Sequence

1 mhqtysrhcr peestfsaam ttmqgmeqam pgagpvpql gnmavihshl wkglqekflk gepkvlgvvq iltalmslsm gitmcmasn tygsnpisvy
101 igytiwgsvm fiisglsia agirttkglv rgsllgmntis svlaasgili ntfslafysf hhpyncnygn snnchtmsi lmgldgmvl lsvlefcia v
201 slsafgckvl cctpggvvli lpsshmaet asptpivev