

Product datasheet for **RC233387**

MS4A4A (NM_001243266) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	MS4A4A
Synonyms:	4SPAN1; CD20-L1; CD20L1; HDCME3IP; MS4A4; MS4A7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC233387 representing NM_001243266
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCATCAGACCTACAGCAGACATTGCAGGCCTGAAGAAAGCACCTTTCTGCTGCCATGACAACCATGC
AAGGAATGGAACAGGCCATGCCAGGGGCTGGCCCTGGTGTGCCCCAGCTGGGAAACATGGCTGTGCATACA
TTCACATCTGTGGAAGGATTGCAAGAGAAGTTCTTGAAGGGAGAACCCAAAGTCCTTGGGGTTGTGCAG
ATTCTGACTGCCCTGATGAGCCTTAGCATGGGAATAACAATGATGTGTATGGCATCTAATACTTATGGAA
GTAACCTATTTCGTGTATATCGGGTACACAATTTGGGGGTCAAGTAATGTTTATTATTTCAGGATCCTT
GTCAATTGCAGCAGGAATTAGAACTACAAAAGGCCTGGGTCTGGATGGCATGGTGTCTCCTCTTAAGTGTG
CTGGAATTCTGCATTGCTGTGCCCTCTGCCTTTGGATGTAAAGTGCTCTGTTGTACCCCTGGTGGGG
TTGTGTTAATTCTGCCATCACATTCTCACATGGCAGAAACAGCATCTCCACACCACTTAATGAGGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC233387 representing NM_001243266
Red=Cloning site Green=Tags(s)

MHQYSRHCRPEESTFSAAMTTMQGMEQAMPGAGPGVPQLGNMAVIHSHLWKGLQEFLKGEPKVLGVVQ
ILTALMSLSMGITMMCMASNTYGSNPISVYIGYTIWGSVMFIISGLSIAAGIRTTKGLGLDGMVLLLSV
LEFCIAVSLSAFGCKVLCCTPGGVVLILPSHMAETASPTPLNEV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_001243266

ORF Size: 558 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

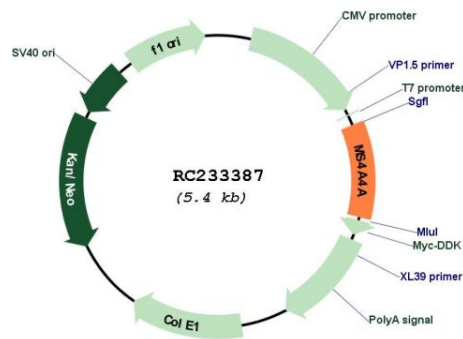
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001243266.1](#), [NP_001230195.1](#)

RefSeq Size: 1509 bp

RefSeq ORF:	561 bp
Locus ID:	51338
UniProt ID:	Q96JQ5
Cytogenetics:	11q12.2
Protein Families:	Druggable Genome, Transmembrane
MW:	20.1 kDa
Gene Summary:	This gene encodes 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. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2011]

Product images:



Circular map for RC233387