

Product datasheet for **RG223557**

MS4A4A (NM_024021) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | MS4A4A (NM_024021) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | MS4A4A |
| Synonyms: | 4SPAN1; CD20-L1; CD20L1; HDCME31P; MS4A4; MS4A7 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >RG223557 representing NM_024021 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACAACCATGCAAGGAATGGAACAGGCCATGCCAGGGGCTGGCCCTGGTGTGCCCCAGCTGGGAAACA
TGGCTGTCATACATTCACATCTGTGAAAGGATTGCAAGAGAAGTTCTTGAAGGGAGAACCCAAAGTCCT
TGGGGTTGTGCAGATTCTGACTGCCCTGATGAGCCTTAGCATGGGAATAACAATGATGTGTATGGCATCT
AATACTTATGGAAGTAACCCTATTTCCGTGTATATCGGGTACACAATTTGGGGTTCAGTAATGTTTATTA
TTTCAGGATCCTTGTCAATTGCAGCAGGAATTAGAACTACAAAAGCCTGGTCCGAGGTAGTCTAGGAAT
GAATATCACCAGCTCTGTACTGGCTGCATCAGGGATCTTAATCAACACATTTAGCTTGGCGTTTTATTCA
TTCCATCACCCCTTACTGTAACACTATGGCAACTCAAATAATTGTCATGGGACTATGTCCATCTTAATGG
GTCTGGATGGCATGGTGCTCCTCTTAAGTGTGCTGGAATTCTGCATTGCTGTGTCCCTCTCTGCCTTTGG
ATGTAAGTGCTCTGTTGTACCCTGGTGGGTTGTGTTAATTCTGCCATCACATTCTCACATGGCAGAA
ACAGCATCTCCACACCACTTAATGAGGTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG223557 representing NM_024021
 Red=Cloning site Green=Tags(s)

MTTMQGM EQAMPGAGPGV PQLGNMAVIHSHLWKGLQEKFLKGEPKVLGVVQILTALMSLSMGITMCMAS
 NTYGSNPISVYIGYTIWGSVMFIISGSL SIAAGIRTTKGLVRGSLGMNITSSVLAASGILINTFSLAFYS
 FHHPYCNYYGNSNNCHGTMSILMGLDGMVLLLSVLEFCIAVLSAFGCKVLCCTPGGVVILPSHSHMAE
 TASPTPLNEV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024021

ORF Size: 660 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.

RefSeq: [NM_024021.3](#)

RefSeq Size: 1619 bp

RefSeq ORF: 663 bp

Locus ID: 51338

UniProt ID: [Q96IQ5](#)

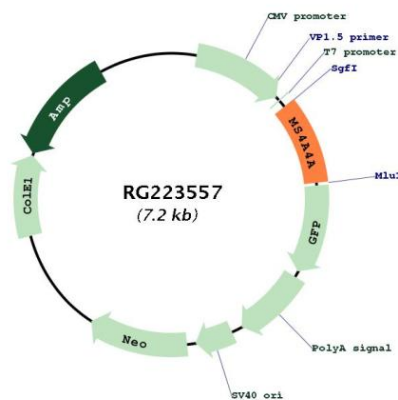
Cytogenetics: 11q12.2

Domains: CD20

Protein Families: Druggable Genome, Transmembrane

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 RG223557