

Specifications:

Gene:	mMS4A3
Accession:	NP_573509
Insert size:	655bp
Concentration:	10µg at 0.2µg/µL

mMS4A3 cDNA Plasmid

Ms4a3 membrane-spanning 4-domains, subfamily A, member 3 [*Mus musculus*]

Also known as: HTm4; mHTm4

Summary:

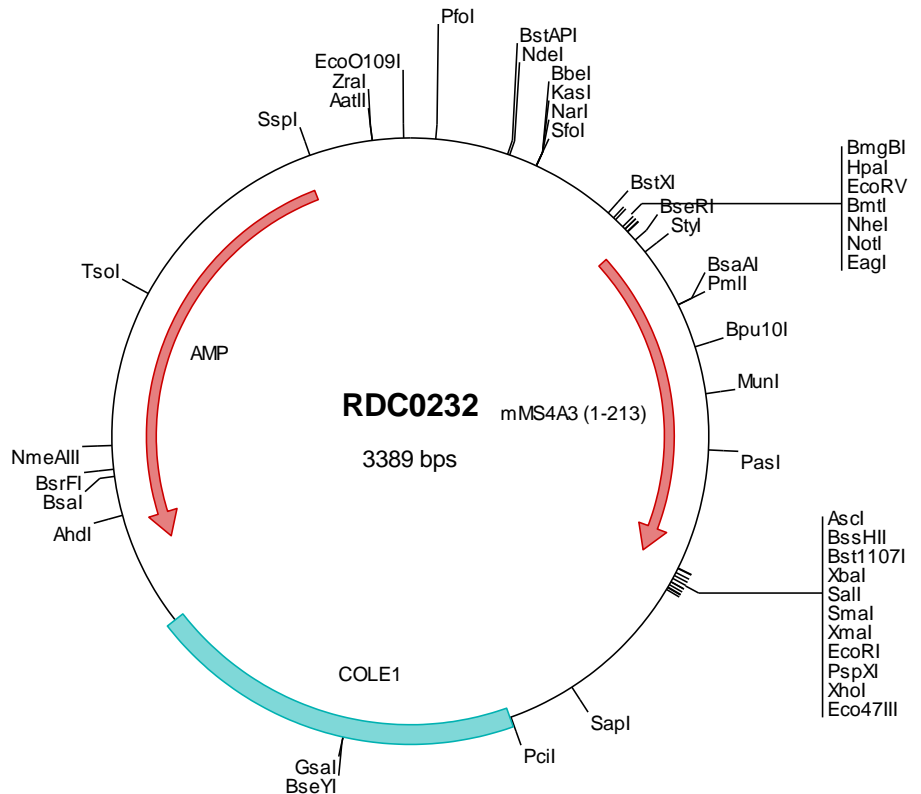
MS4A3 is a member of the membrane-spanning 4A gene family. Members of this protein family are characterized by common structural features and similar intron/exon splice boundaries and display unique expression patterns among hematopoietic cells and nonlymphoid tissues. MS4A3 likely plays a role in signal transduction and may function as a subunit associated with receptor complexes. MS4A3 is a hematopoietic modulator for the G1-S cell cycle transition. MS4A3 modulates the level of phosphorylation of cyclin-dependent kinase 2 (CDK2) through its direct binding to cyclin-dependent kinase inhibitor 3 (CDKN3/KAP).

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.





> RDC0232 Plasmid DNA Sequence

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1 tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcaagctccc gagacggta cagcttgtct gtaagcggat gccgggagca gacaagcccg
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> RDC0232 Translated Insert Sequence

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201 senlntqpqa see
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