

Product datasheet for RC228151

MS4A12 (NM 001164470) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: MS4A12 (NM_001164470) Human Tagged ORF Clone

Tag: Myc-DDK
Symbol: MS4A12
Synonyms: Ms4a10
Mammalian Cell Neomycin

Selection:

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

ORF Nucleotide >RC228151 representing NM_001164470
Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

MS4A12 (NM_001164470) Human Tagged ORF Clone - RC228151

Protein Sequence: >RC228151 representing NM_001164470

Red=Cloning site Green=Tags(s)

MMSSKPTSHAEVNETIPNPYPPSSFMAPGFQQPLGSINLENQAQGAQRAQPYGITSPGIFASSQPGQGNI QMINPSVGTAVMNFKEEAKALGFIISGSLSVSASKELSRCLVKGSLGMNIVSSILAFIGVILLLVDMCIN GVAGQDYWAVLSGKGISATLMIFSLLEFFVACATAHFANQANTTTNMSVLVIPNMYESNPVTPASSSAPP RCNNYSANAPK

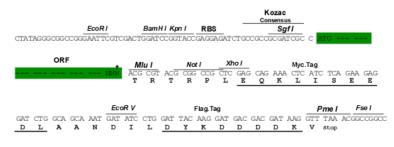
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1503 c12.zip

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_001164470

ORF Size: 663 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: <u>NM 001164470.1</u>, <u>NP 001157942.1</u>

 RefSeq ORF:
 666 bp

 Locus ID:
 54860

 UniProt ID:
 Q9NXI0

Cytogenetics: 11q12.2

Protein Families: Druggable Genome, Transmembrane

MW: 23 kDa

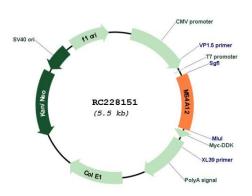
Gene Summary: The protein encoded by this gene is a cell surface protein found primarily in the apical

membrane of colonocytes. Silencing of this gene in colon cancer cells inhibits the

proliferation, cell motility, and chemotactic invasion of cells. This gene is part of a cluster of similar genes found on chromosome 11. Two transcript variants encoding different isoforms

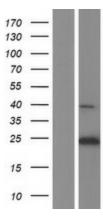
have been found for this gene. [provided by RefSeq, Aug 2009]

Product images:



Circular map for RC228151





Western blot validation of overexpression lysate (Cat# [LY431179]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC228151 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).