

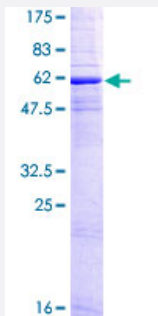
Full-Length

MS4A1 (Human) Recombinant Protein (P01)

Catalog # H00000931-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human MS4A1 full-length ORF (AAH02807, 1 a.a. - 297 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MTTPRNSVNGTFPAEPMKGPIAMQSGPKPLFRMSSLVGPTQSFFMRESKTLGAVQIMNGLFHIALGGLLMIPAGIYAPICVTWYPLWGGIMYISGSLAATEKNSRKCLVKGKMIMNSLSLFAAISGMILSIMDILNIKISHFLKMESLNFIRAHTPYINYNCEPANPSEKNSPSTQYCYSIQSLFLGILSVMLIFAFFQELVIAGVENEWKRTCSPKSNVLLSAEEKKEQTIEKEEVVGLTETSSQPKNEEDIEIPIQEEEEETETNFPEPPQDQESSPIENDSSP

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

58.41

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — MS4A1

Entrez GeneID [931](#)

GeneBank Accession# [BC002807](#)

Protein Accession# [AAH02807](#)

Gene Name MS4A1

Gene Alias B1, Bp35, CD20, LEU-16, MGC3969, MS4A2, S7

Gene Description membrane-spanning 4-domains, subfamily A, member 1

Omim ID [112210](#)

Gene Ontology [Hyperlink](#)

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 and similar intron/exon splice boundaries and display unique expression patterns among hematopoietic cells and nonlymphoid tissues. This gene encodes a B-lymphocyte surface molecule which plays a role in the development and differentiation of B-cells into plasma cells. This family member is localized to 11q12, among a cluster of family members. Alternative splicing of this gene results in two transcript variants which encode the same protein. [provided by RefSeq]

Other Designations B-lymphocyte cell-surface antigen B1|CD20 antigen|CD20 receptor

Publication Reference

- [Isolation and characterization of human anti-CD20 single-chain variable fragment \(scFv\) from a Naive human scFv library.](#)

Nasir Shams, Shahryar Khoshtinat Nikkhoi, Zhanjun Gu, Fatemeh Rahbarizadeh.

Medical Oncology 2022 Aug; 39(11):177.

Application: Sub, Recombinant proteins

- [False-positive immunogenicity responses are caused by CD20+ B cell membrane fragments in an anti-ofatumumab antibody bridging assay.](#)

Chen K, Page JG, Schwartz AM, Lee TN, Dewall SL, Sikkema DJ, Wang C.

Journal of Immunology 2013 Aug; 394(1-2):22.

Application: Func, Human, B cells, Fibroblastic cells

Pathway

- [Hematopoietic cell lineage](#)

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Lymphoma](#)
- [Neoplasm Recurrence](#)
- [Ovarian cancer](#)