

Recombinant Full Length Human A2ML1 Protein, GST-tagged

Cat. No. A2ML1-742HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human A2ML1 full-length ORF (AAH93840.1, 1 a.a. - 158 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	158 amino acids
Description	This gene encodes a member of the alpha-macroglobulin superfamily. The encoded protein is thought to be an N-glycosylated monomeric protein that acts as an inhibitor of several proteases. It has been shown to form covalent interactions with proteases, and has been reported as the p170 antigen recognized by autoantibodies in the autoimmune disease paraneoplastic pemphigus (PNP; PMID:20805888). Mutations in these gene have also been associated with some cases of Noonan syndrome (NS; PMID:24939586) as well as some cases of otitis media (PMID:26121085). Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Aug 2015]
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	44.1 kDa
AA Sequence	MYTLEASGQG CVYVQTVLRY NILPPTNMKT FLSLSVEIGKA RCEQPTSPRS LTLTIHTSYV GSRSSSNMAI VEVKMLSGFS PMEGTNQLLL QQPLVKKVEF

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GTDTLNIYLD ELIKNTQTYT FTISQSVLVT NLKPATIKVY DYYLPDEQAT IQYSDPCE

Applications

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

Storage

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

GENE INFORMATION

Gene Name

A2ML1 alpha-2-macroglobulin-like 1 [Homo sapiens]

Official Symbol

A2ML1

Synonyms

A2ML1; alpha-2-macroglobulin-like 1; C3 and PZP like, alpha 2 macroglobulin domain containing 9 , CPAMD9; alpha-2-macroglobulin-like protein 1; FLJ25179; C3 and PZP-like, alpha-2-macroglobulin domain containing 9; CPAMD9; FLJ16045; FLJ39129; FLJ41597; FLJ41598; FLJ41607; DKFZp686C1729; DKFZp686D2011; DKFZp686G1812; DKFZp686L1821; DKFZp686O1010

Gene ID

144568

mRNA Refseq

NM_144670

Protein Refseq

NP_653271

MIM

610627

UniProt ID

A8K2U0

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