

Recombinant Human A2ML1 protein, His & T7-tagged

Cat. No. A2ML1-5676H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human A2ML1 aa. (Gln1119~Thr1348 (Accession # A8K2U0)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Gln1119~Thr1348
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 28.8kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Characteristic	The isoelectric point is 8.9.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	A2ML1 alpha-2-macroglobulin like 1 [Homo sapiens (human)]
Official Symbol	A2ML1
Synonyms	A2ML1; alpha-2-macroglobulin like 1; p170; CPAMD9; alpha-2-macroglobulin-like protein 1; C3 and PZP-like, alpha-2-macroglobulin domain containing 9
Gene ID	144568
mRNA Refseq	NM_001282424.2
Protein Refseq	NP_001269353.1

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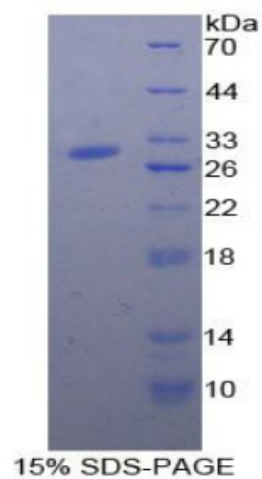
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UniProt ID

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SDS-PAGE

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