

## Product datasheet for TP319615M

### A2ML1 (NM\_144670) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human alpha-2-macroglobulin-like 1 (A2ML1), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC219615 representing NM_144670 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MWAQLLLGMLALSPAIAEELPNYLVTLPARLNFPVSVQKVCLDLSPGYSVDFKFTVTLETKDKTQKLLEYSG  
LKKRHLHCISFLVPPPAGGTEEVATIRVSGVGNISFEEKKKVLIQRQNGTFVQTDKPLYTPGQQVYFR  
IVTMDSNFVPVNDKYSMVELQDPNSNRIAQWLEVVPEQGIVDLSFQLAPEAMLGTYTVAVAEGKTFGTFS  
VEEYVLPKFKVEVPEKELSTVQESFLVKICCRYTYGKPMLGAVQVSVQCQKANTYWYREVEREQLPDKCR  
NLSGQTDKTGCFSAPVDMATFDLIGYAYSHQINIVATVVEEGTGVEANATQNIYISPMGSMTFEDTSNF  
YHPNFPFSGKIRVRGHDDSFLKNHLVFLVIYGTNGTFNQTLVTDNNGLAPFTLETSGWNGTDSLEGKFQ  
MEDLVYNPEQVPRYYQAYLHLRPFYSTTRSFLGIHRLNGLKCGQPQEVLDVYIDPADASPDQEIFS  
YYLIGKGSVMMEGQKHLNSKKKGLKASFSLTFTSRLAPDPSLVIYAIFPSGGVADKIQFSVEMCFDN  
QVSLGFSPSQQLPGALEVELQLQAAPGSLCALRAVDESLLLLRPDRELSNRSVYGMFPFWYGHYPYQVAEY  
DQCPVSGPWDFPQPLIDPMPQGHSSQRSIIWRPSFSEGTDLFSFRDVGKILSNAKIKKPVDCSHRSPE  
YSTAMGAGGGHPEAFESSTPLHQAEDSQVRQYFPETWLWDLFPIGNSGKEAVHVTVPDAITWKAMSFCT  
SQSRGFLSPTVGLTAFKPFVDLTLPSVVRGESFRLTATIFNYLKDCIRVQTDLAKSHEYQLESWADS  
QTSSCLCADEAKTHHWNITAVKLGHINFTISTKILDSNEPCGGQKGFVPQKGRSDTLIKPVLVKEGVLV  
EKTHSSLLCPKGVASESVSLELPVDIVPDSTKAYVTVLGDIMGALQNLGLVQMPSGCGEQNMVLFAP  
IYVLYLEKAGLLTEEIRSRVGFLEIGYQKELMYKHSNGSYSAFGERDGNNTWLTAFTVKCFGQAQK  
FIFIDPKNIQDALKWMAGNQLPSGCYANVGNLLHTAMKGGVDDEVSLETAYVTAALLEMVKDVEDDPMVMSQ  
LRCLKNSATSTTNLYTQALLAYIFSLAGEMDIRNILLKQLDQQAISGESIYWSQKPTPSSNASPWSEPA  
AVDVELTAYALLAQLTKPSLTQKEIAKATSIVAWLAKQRNAYGGFSSTQDTVALQALAKYATTAYMPSE  
EINLVKSTENFQRTFNIQSVNRLVFQDQDLPNVPGRMYTLEASGQGCVVYQTVLRYNLPPTNMKTFSL  
VEIGKARCEQPTSPRSLTLTIHTSYVGSRSSNMAIVEVKMLSGFSPMEGTNQLLLQQLVKKVEFGTDT  
LNIYLDELIKNTQTYTFTISQSVLVTNLKPATIKVYDYLLPDEQATIQYSDPCE

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

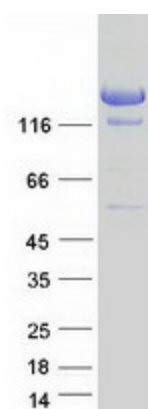
Tag:	C-Myc/DDK
Predicted MW:	161 kDa



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<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_653271</a>
<b>Locus ID:</b>	144568
<b>UniProt ID:</b>	<a href="#">B3KVV6</a>
<b>RefSeq Size:</b>	5123
<b>Cytogenetics:</b>	12p13.31
<b>RefSeq ORF:</b>	4362
<b>Synonyms:</b>	CPAMD9; OMS; p170
<b>Summary:</b>	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]

## Product images:



Coomassie blue staining of purified A2ML1 protein (Cat# [TP319615]). The protein was produced from HEK293T cells transfected with A2ML1 cDNA clone (Cat# [RC219615]) using MegaTran 2.0 (Cat# [TT210002]).