

Product datasheet for TP319615

A2ML1 (NM_144670) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human alpha-2-macroglobulin-like 1 (A2ML1), 20 µg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC219615 representing NM_144670
Red=Cloning site Green=Tags(s)

MWAQLLLGMLALSPAIAEELPNYLVTLPARLNFPVSVQKVCLDLSPGYSVDFKFTVTLETDKDKTQKLLEYSG
LKKRHLHCISFLVPPPAGGTEEVATIRVSGVGNISFEEKKKVLIQRQNGTFVQTDKPLYTPGQQVYFR
IVTMDSNFVPVNDKYSMVELQDPNSNRIAQWLEVVPEQGIVDLSFQLAPEAMLGTYTVAVAEGKTFGTFS
VEEYVLPKFKVEVPEKELSTVQESFLVKICCRYTYGKPMLGAVQVSVQCQKANTYWYREVEREQLPDKCR
NLSGQTDKTGCFSAPVDMATFDLIGYAYSHQINIVATVVEEGTGVEANATQNIYISPMGSMTFEDTSNF
YHPNFPFSGKIRVRGHDDSFKNHLVFLVIYGTNGTFNQTLVTDNNGLAPFTLETSGWNGTDSLEGKFQ
MEDLVYNPEQVPRYYQAYLHLRPFYSTTRSFLGIHRLNGLKCGQPQEVLDVYIDPADASPDQEIFS
YYLIGKGSVMMEGQKHLNSKKKGLKASFSLTFTSRLAPDPSLVIYAIFPSGGVADKIQFSVEMCFDN
QVSLGFSPSQQLPGALEVELQLQAAPGSLCALRAVDESLLLLRPDRELSNRSVYGMFPFWYGHYPYQVAEY
DQCPVSGPWDFPQPLIDPMPQGHSSQRSIIWRPSFSEGTDLFSFRDVGKILSNAKIKKPVDCSHRSPE
YSTAMGAGGGHPEAFESSTPLHQAEDSQVRQYFPETWLWDLFPIGNSGKEAVHVTVPDAITWKAMSFCT
SQSRGFLSPTVGLTAFKPFVDLTLPYSVVRGESFRLTATIFNYLKDCIRVQTDLAKSHEYQLESWADS
QTSSCLCADEAKTHHWNITAVKLGHINFISTKILDSNEPCGGQKGFVPQKGRSDTLIKPVLVKEGVLV
EKTHSSLLCPKGVASESVSLELPVDIVPDSTKAYVTVLGDIMGALQNLGLVQMPSGCGEQNMVLFAP
IYVLYLEKAGLLTEEIRSAVGFLEIGYQKELMYKHSNGSYSAFGERDGNNTWLTAFTVKCFGQAQK
FIFIDPKNIQDALKWMAGNQLPSGCYANVGNLLHTAMKGGVDDEVSLETAYVTAALLEMVKDVEDDPMVMSQ
LRCLKNSATSTTNLYTQALLAYIFSLAGEMDIRNILLKQLDQQAISGESIYWSQKPTPSSNASPWSEPA
AVDVELTAYALLAQLTKPSLTQKEIAKATSIVAWLAKQRNAYGGFSSTQDTVALQALAKYATTAYMPSE
EINLVKSTENFQRTFNIQSVNRLVFQQDTPNVPGRMYTLEASGQGCYVYQTVLRYNLPPTNMKTFSLS
VEIGKARCEQPTSPRSLTLTIHTSYVGSRSSNMAIVEVKMLSGFSPMEGTNQLLLQQLVKKVEFGTDT
LNIYLDELIKNTQTYTFTISQSVLVTNLKPATIKVYDYLLPDEQATIQYSDPCE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

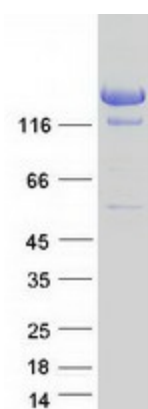
Tag: C-Myc/DDK
Predicted MW: 161 kDa



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