

## Product datasheet for **TP319615SE**

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

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Purified recombinant protein of Human alpha-2-macroglobulin-like 1 (A2ML1), secretory expressed in HEK293T cells, 20ug  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC219615 representing NM\_144670  
Red=Cloning site Green=Tags(s)

MWAQLLLGMLALSPAIAEELPNYLVTLPARLNFPVSVQKVCLDLSPGYSVDKFTVTLETKDKTQKLLEYSGLKKRHLHCISFLVPPPAGGTEEVATIRVSGVGNISFEEKKKVLIQRQNGTFVQTDKPLYTPGQQVYFIVTMDSNFVPVNDKYSMVELQDPNSNRIAQWLEVVPEQGIVDLSFQLAPEAMLGTYTVAVAEGKTFGTFSVEEYVLPKFKVEVPEKELSTVQESFLVKICCRYTYGKPMLGAVQVSVQCANTYWYREVEREQLPDKCRNLSGQTDKTGCFAPVDMATFDLIGYAYSHQINIVATVVEEGTGVEANATQNIYISPMGSMTFEDTSNFYHPNFPFSGKIRVRGHDDSFLKNHLVFLVIYGTNGTFNQTLVTDNNGLAPFTLETSGWNGTDVSLEGKFQMEDLVYNPEQVPRYYQNAYLHLRPFYSTTRSFLGIHRLNGLPKCGQPQEVLDVYIDPADASPDQEISFSYYLIGKGSVMEGQKHLNSKKKGLKASFSLTFTSRLAPDPSLVIYAIFPSGGVADKIQFSVEMCFDNQVSLGFSPSQQLPGALEVELQLQAAPGSLCALRAVDESLLLLRPDRELSNRSVYGMFPFVYGHYPYQVAEYDQCPVSGPWDFPQPLIDPMPQGHSSQRSIIWRPSFSEGTDLFSFFRDVGLKILSNKIKKPVDCSHRSPEYSTAMGAGGGHPEAFESSTPLHQAEDSQVRQYFPETWLWDLFPIGNSGKEAVHVTVPDAITEWKAMSFCTSQSRGFGLSPTVGLTAFKPPFFVDLTLPYSVVRGESFRLTATIFNYLKDCIRVQTDLAKSHEYQLESWADSQTSSCLCADEAKTHHWNITAVKLGHINFTISTKILDSNEPCGGQKGFVPQKGRSDTLIKPVLVKPEGVLVEKTHSSLLCPKGVASESVSLELPVDIVPDSTKAYVTVLGDIMGALQNL DGLVQMPSGCGEQNMVLFAPIIYVLQYLEKAGLLTEEIRSAVGFLEIGYQKELMYKHSNGSYSAFGERDGNNTWLTAFTVKCFGQAQKFIFIDPKNIQDALKWMAGNQLPSGCYANVGNLLHTAMKGGVDDEVSLTAYVTAALLEMGKDVD DPMVVSQGLRCLKNSATSTTNLYTQALLAYIFSLAGEMDIRNILLKQLDQQAIISGESIYWSQKPTPSSNASPWSEPAVDVELTAYALLAQLTKPSLTQKEIAKATSIVAWLAKQRNAYGGFSSTQD TVVALQALAKYATTAYMPSE EINLVKSTENFQRTFNIQSVNRLVFQQDTPNVPGMYTLEASGQGCYVYQTVLRYNLPPTNMKTFSLSVEIGKARCEQPTSPRSLTLTIHTSYVGSRSSNMAIVEVKMLSGFSPMEGTNQLLLQQPLVKKVEFGTDTLNIYLD ELIKNTQTYTFTISQSVLVTNLKPATIKVYDYLLPDEQATIQYSDPCE

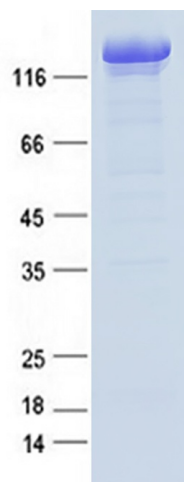
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Tag:** C-Myc/DDK



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<b>Predicted MW:</b>	162.9 kDa
<b>Concentration:</b>	>50 ug/mL as determined by microplate Bradford method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25mM Tris-HCl, pH7.3, 100mM glycine, 10% glycerol
<b>Note:</b>	For 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 after receiving vials.
<b>Stability:</b>	Stable for at least 1 year from receipt of products 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>	<p>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]</p>

**Product images:**

Coomassie blue staining of purified A2ML1 protein (Cat #TP319615SE). The protein was produced from mammalian cells transfected with A2ML1 cDNA clone (Cat #[RC219615]).