

Product datasheet for TP502818

Asrgl1 (BC016106) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse asparaginase like 1 (cDNA clone MGC:27691 IMAGE:4921265), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR202818 protein sequence Red =Cloning site Green =Tags(s)

MDASIMDGGKDLSAGAVSAVRCIANPVKLARLVMKTPHCFLTGHGAEKFAEDMGIPQVPVEKLITERTKK
HLEKEKLEKGAQNADCPKNSGTGVAVALDCRGNLAYATSTGGIVNKMVGRVGDSPCIGAGGYADNNLGAV
STTGHGESILKVNLRALRFHVEQGKTVEEAAQLALDYMKSKLKGLGGLILVNKTGDWVAKWTSASMPWA
AVKNGKLQAGIDLCESTRDLPC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	24.6 kDa
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
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 after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Locus ID:	66514
UniProt ID:	Q8COM9
RefSeq Size:	1723
Cytogenetics:	19 A



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RefSeq ORF: 699

Synonyms: ALP, ALP1

Summary: Has both L-asparaginase and beta-aspartyl peptidase activity. May be involved in the production of L-aspartate, which can act as an excitatory neurotransmitter in some brain regions. Is highly active with L-Asp beta-methyl ester. Besides, has catalytic activity toward beta-aspartyl dipeptides and their methyl esters, including beta-L-Asp-L-Phe, beta-L-Asp-L-Phe methyl ester (aspartame), beta-L-Asp-L-Ala, beta-L-Asp-L-Leu and beta-L-Asp-L-Lys. Does not have aspartylglucosaminidase activity and is inactive toward GlcNAc-L-Asn. Likewise, has no activity toward glutamine.[UniProtKB/Swiss-Prot Function]