

Product datasheet for **TP314638**

ASRGL1 (NM_001083926) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human asparaginase like 1 (ASRGL1), transcript variant 1, 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC214638 representing NM_001083926
Red=Cloning site **Green**=Tags(s)

MNPIVVHGGGAGPISKDRKERVHQGMVRAATVGYGILREGGSAVDAVEGAVVALEDDPEFNAGCGSVLN
TNGEVEMDASIMDGKDSAGAVSAVQCIANPIKLARLVMKTPHCFLTDQGAAQFAAAMGVPEIPGEKLV
TERNKKRLEKEKHEKGAQKTDQCQNLGTVGAVALDCKGNVAYATSTGGIVNKMVGRVGDSPCLGAGGYAD
NDIGAVSTTGHGESILKVNLARLTLFHIEQGKTVEEAADLSLGYMKSRVKGLGGLIVSKTGDWVAKWTS
TSMPWAAAKDGKLFHFGIDPDDTTITDLP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 31.9 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

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_001077395](#)

Locus ID: 80150



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UniProt ID: [Q7L266](#), [A0A024R573](#)

RefSeq Size: 2424

Cytogenetics: 11q12.3

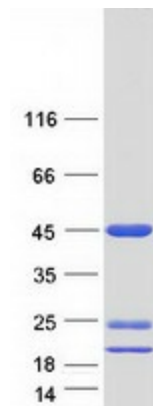
RefSeq ORF: 924

Synonyms: ALP; ALP1; CRASH

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]

Protein Families: Protease

Product images:



Coomassie blue staining of purified ASRGL1 protein (Cat# TP314638). The protein was produced from HEK293T cells transfected with ASRGL1 cDNA clone (Cat# [RC214638]) using MegaTran 2.0 (Cat# [TT210002]).