

Recombinant Mouse Asrgl1 Protein, Myc/DDK-tagged

Cat. No. Asrgl1-1753M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length asparaginase like 1 (cDNA clone MGC:27691 IMAGE:4921265), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	24.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Asrgl1 asparaginase like 1 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Asrgl1](#)

Synonyms Asrgl1; asparaginase like 1; A; ALP; ALP1; AU040643; AW060375; 2410004D18Rik; isoaspartyl peptidase/L-asparaginase; L-asparaginase; L-asparagine amidohydrolase; asparaginase-like protein 1; beta-aspartyl-peptidase; isoaspartyl dipeptidase; EC 3.4.19.5; EC 3.5.1.1

Gene ID [66514](#)

mRNA Refseq [NM_025610](#)

Protein Refseq [NP_079886](#)

UniProt ID [Q8COM9](#)

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