

Recombinant Mouse Aspa Protein, MYC/DDK-tagged

Cat. No. Aspa-531M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse aspartoacylase (Aspa), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes an enzyme that deacetylates N-acetyl-L-aspartic acid (NAA) in the brain to yield acetate and L-aspartate. In humans, alterations in neuronal NAA concentration are associated with many neurodegenerative diseases (decrease associated with epilepsy, multiple sclerosis, myotrophic lateral sclerosis, and Alzheimer's disease; increase associated with Canavan disease). In mouse, mutations in this gene, which cause accumulation of NAA, result in demyelination and spongy degeneration in the CNS and serve as a pathophysiological model for Canavan disease.
Molecular Mass	35.3 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 *Aspa* aspartoacylase [*Mus musculus* (house mouse)]

Official Symbol *Aspa*

Synonyms *Aspa*; aspartoacylase; *Acy2*; *nur7*; *Acy-2*; aspartoacylase; aminoacylase-2; aspartoacylase (aminoacylase) 2; EC 3.5.1.15

Gene ID 11484

mRNA Refseq NM_023113

Protein Refseq NP_075602

UniProt ID Q8R3P0

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