

Recombinant Mouse Aspa Protein, His-tagged

Cat. No. Aspa-253M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Aspa Protein (Tyr63-His312) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Tyr63-His312
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 32.2 kDa Accurate Molecular Mass: 32 kDa
Purity	> 90%

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	<i>Aspa</i> aspartoacylase [<i>Mus musculus</i> (house mouse)]
Official Symbol	<i>Aspa</i>
Synonyms	ASPA; aspartoacylase; aminoacylase 2; aminoacylase-2; small lethargic; aspartoacylase (aminoacylase) 2; Acy2; nur7; Acy-2
Gene ID	11484
mRNA Refseq	NM_023113
Protein Refseq	NP_075602
UniProt ID	Q8R3P0

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