

Recombinant Mouse Adsl Protein, MYC/DDK-tagged

Cat. No. Adsl-549M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse adenylosuccinate lyase (Adsl), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a protein that is involved in adenosine monophosphate (AMP) biosynthesis and maintaining AMP levels in the muscle. The encoded enzyme catalyzes the release of fumarate during AMP biosynthesis by cleaving the substrates succinylaminoimidazole carboxamide (SAICA) ribotide to give aminoimidazole carboxamide (AICA) ribotide, and adenylosuccinate to give adenylylate. In humans, this gene is associated with adenylosuccinate deficiency, a rare autosomal disorder resulting in a spectrum of neurological symptoms. A pseudogene associated with this gene is located on the X chromosome.
Molecular Mass	54.9 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
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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
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GENE INFORMATION

Gene Name	Adsl adenylosuccinate lyase [Mus musculus (house mouse)]
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Official Symbol	Adsl
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Synonyms	Adsl; adenylosuccinate lyase; Adl; Asl; adenylosuccinate lyase; ASase; adenylosuccinase; adenylosuccinate lyase 1; EC 4.3.2.2
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Gene ID	11564
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mRNA Refseq	NM_009634
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Protein Refseq	NP_033764
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UniProt ID	P54822
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