

Product datasheet for **TP507743**

Adsl (NM_009634) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse adenylosuccinate lyase (Adsl), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR207743 protein sequence Red =Cloning site Green =Tags(s)

MAASGDPGSAESYRSPLAARYASREMCFLFSDRYKFQTRWQLWLWLAEAEQTLGLPITDEQIQEMKSNLN
NIDFQMAAEEEEKRLRHDMAHVHTFGHCCPKAAGIIHLGATSCYVGDNTDLIILRNAFDLLLPKLARVIS
RLADFAKDRADLPTLGFTHFQPAQLTTVGRCCCLWIQDLQNLKRVDELRFGRVKGTTGTQASFLQ
LFEGDHQKVEQLDKMVTEKAGFKRAFIITGQTYTRKVDIEVLSVLASLGASVHKICTDIRLLANLKEMEE
PFEKQQIGSSAMPYKRNPMSERCCSLARHLMALTMPLQTASVQWFERTLDDSANRRICLAEFLTADT
ILNTLQNISEGLVVYPKVIERRIRQELPFMATENIIMAMVKAGGSRQDCHEKIRVLSQQAADVVKQEGGD
NDLIERIRADAYFSPIHSQLEHLLDPSSFTGRAPQQVHRFLEEEVRPLLKPYGNEMAVKAEELC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	54.9 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
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 after receiving vials.
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:	<u>NP_033764</u>
Locus ID:	11564



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UniProt ID: [P54822](#)

RefSeq Size: 3712

Cytogenetics: 15 37.95 cM

RefSeq ORF: 1455

Synonyms: Adl; Asl

Summary: 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 adenylate. 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. [provided by RefSeq, Jan 2013]