

Recombinant Human ADSSL1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ADSSL1-4550H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ADSSL1 MS Standard C13 and N15-labeled recombinant protein (NP_689541) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the adenylosuccinate synthase family of proteins. The encoded muscle-specific enzyme plays a role in the purine nucleotide cycle by catalyzing the first step in the conversion of inosine monophosphate (IMP) to adenosine monophosphate (AMP). Mutations in this gene may cause adolescent onset distal myopathy. Alternative splicing results in multiple transcript variants.
Molecular Mass	50.2 kDa
AA Sequence	MSGTRASNDRPPGAGGVKRGRLQQEAAATGSRVTTVLGAQWGDEGKGKVVDLLA TDADIISRCQGGNNAGHTVVVDGKEYDFHLLPSGIINTKAVSFIGNGVVIHLPGLFEEA EKNEKKGLKDWEKRLIISDRAHLVFDFHQAVDGLQEVQRQAQEGKNIGTTKKGIGPT YSSKAARTGLRICDLLSDFDEFSSRFKNLAHQHQSMPFTEIDIEGQLKRLKGFAERI RPMVRDGVYFMYEALHGPPKKILVEGANAALLDIDFGTYPFVTSSNCTVGGVCTGL GIPPQNIQDVYGVVKAYTTRVGIGAFPTEQINEIGLLQTRGHEWGVTTGRKRRCG WLDLMILRYAHMVNGFTALATKLDILDVLGEVKVGVSYKLNKGKRIPIYFPANQEMLQ KVEVEYETLPGWKADTTGARRWEDLPPQAQNYIRFVENHVGVAVKWVGVGKSRES

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	ADSSL1 adenylosuccinate synthase like 1 [Homo sapiens (human)]
Official Symbol	ADSSL1
Synonyms	ADSSL1; adenylosuccinate synthase like 1; adenylosuccinate synthetase isozyme 1; FLJ38602; adSS 1; AMPSase 1; IMP--aspartate ligase 1; M-type adenylosuccinate synthetase; adenylosuccinate synthetase, basic isozyme; adenylosuccinate synthetase, muscle isozyme;
Gene ID	122622
mRNA Refseq	NM_152328
Protein Refseq	NP_689541
MIM	612498

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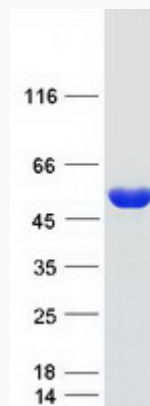
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UniProt ID

Q8N142

SDS-PAGE

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