

Recombinant Full Length Human ADSSL1 Protein, GST-tagged

Cat. No. ADSSL1-983HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ADSSL1 full-length ORF (NP_689541.1, 1 a.a. - 457 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	457 amino acids
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. [provided by RefSeq, Feb 2016]
Molecular Mass	76.6 kDa
AA Sequence	MSGTRASNDR PPGAGGVKRG RLQQEAAATG SRVTVVLGAQ WGDEGK GKVV DLLATDADII SRCQGGNNAG HTVVVDGKEY DFHLLPSGII NTKAVSFIGN GVVIHLPLGLF EEA EKNEKKG LKDWEKRLII SDRAHLVFDF HQAVDGLQEV QRQAQEGKNI GTTKKGIGPT YSSKAARTGL RICDLLSDFD EFSSRFKNLA HQHQSMFPTL EIDIEGQLKR LKGFAERIRP MVRDGVYFMY EALHGPPKKI LVEGANAALL DIDFGTYPFV TSSNCTVGGV CTGLGIPPQN IGDVYGVVKA YTTRVGIGAF PTEQINEIGG LLQTRGHEWG VTTGRKRRCG WLDLMILRYA

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HMVNGFTALA LTKLDILDVL GEVKVGVSYK LNGKRIPYFP ANQEMLQKVE
VEYETLPGWK ADTTGARRWE DLPPQAQNYI RFVENHVGVA VKWVGVGKSR
ESMIQLF

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

[ADSSL1 adenylosuccinate synthase like 1 \[Homo sapiens \]](#)

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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UniProt ID

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