

Recombinant Full Length Human ADSS1 Protein, C-Flag-tagged

Cat. No. ADSS1-355HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human ADSS1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	50 kDa
AA Sequence	MSGTRASNDRPPGAGGVKRGRLQQEAAATGSRVTVVLGAQWGDEGKGKVVDLLA TDADIISRCQGGNNAG HTVVVDGKEYDFHLLPSGIINTKAVSFIGNGVVIHLPGLFEE AEKNEKKGLKDWEKRLIISDRAHLVFDF HQAVDGLQEVQRQAQEGKNIGTTKKGIG PTYSSKAARTGLRICDLLSDFDEFSSRFKNLAHQHQSMPFTL EIDIEGQLKRLKGFA ERIRPMVRDGVYFMYEALHGPPKKILVEGANAALLDIDFGTYPFVTSSNCTVGGV CT GLGIPPQNIGDVYGVVKAYTTRVGIGAFPTEQINEIGLLQTRGHEWGVTTGRKRRC GWLDLMILRYA HMVNGFTALALTCLDLDVLGEVKVGVSYKLNGKRIPYFPANQEML

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QKVEVEYETLPGWKADTTGARRWE
DLPPQAQNYIRFVENHVGVAVKWVGVGKSRESMIQLFTRTRPLEQKLISEEDLAAND
ILDYKDDDDKV

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.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Alanine, aspartate and glutamate metabolism, Metabolic pathways, Purine metabolism
Full Length	Full L.

GENE INFORMATION

Gene Name	ADSS1 adenylosuccinate synthase 1 [Homo sapiens (human)]
Official Symbol	ADSS1
Synonyms	MPD5; ADSSL1
Gene ID	122622

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mRNA Refseq	NM_152328.5
Protein Refseq	NP_689541.1
MIM	612498
UniProt ID	Q8N142

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