

Recombinant Human ADSS, GST-tagged

Cat. No. ADSS-9450H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ADSS protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	100-456a.a.
Description	This gene encodes the enzyme adenylosuccinate synthetase which catalyzes the first committed step in the conversion of inosine monophosphate to adenosine monophosphate. A pseudogene of this gene is found on chromosome 17.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	ADSS adenylosuccinate synthase [Homo sapiens]
Official Symbol	ADSS

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Synonyms	adenylosuccinate synthase; L-type adenylosuccinate synthetase; Adenylosuccinate synthetase, acidic isozyme; EC 6.3.4.4; Adenylosuccinate synthetase, liver isozyme; ADEH; AdSS 2; adenylosuccinate synthetase (Ade(-)H-complementing); AMPSase 2; adenylosuccinate synthetase isozyme 2; IMP--aspartate ligase 2; ADSS2
Gene ID	159
mRNA Refseq	NM_001126.3
Protein Refseq	NP_001117.2
MIM	103060
UniProt ID	P30520
Chromosome Location	1q44
Pathway	Adenine ribonucleotide biosynthesis, IMP =>ADP,ATP, organism-specific biosystem; Adenine ribonucleotide biosynthesis, IMP =>ADP,ATP, conserved biosystem; Alanine, aspartate and glutamate metabolism, organism-specific biosystem; Alanine, aspartate and glutamate metabolism, conserved biosystem; Metabolism, organism-specific biosystem
Function	GTP binding; adenylosuccinate synthase activity; adenylosuccinate synthase activity; magnesium ion binding; phosphate ion binding