

Recombinant human ADSS2 protein, His-tagged

Cat. No. ADSS-9451H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant ADSS2 protein, fused to His-tag, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	357
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.
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7). 5% trehalose and 5% mannitol are added as protectants before lyophilization.
Molecular Mass	45 kDa
AA Sequence	VIHLPGLFEEAEKNVQKGKLEGWEKRLIISDRAHIVDFHQAADGIQEQQRQEAG KNLGTTKKGIGPVYSSKAARSGLRMCDLVSDFDGFSERFKVLANQYKSIYPTLEIDIE GELQKLKGYMEKIKPMVRDGVYFLYEALHGPPKKILVEGANAAALLDIDFGTYPFVTSS NCTVGGVCTGLGMPPQNVGEVYGVVKAYTTRVGIGAFPTEQDNEIGELLQTRGREF GVTGTRKRRRCGWLDLVLLKYAHMINGFTALALTKLDILDMFTEIKVGVAYKLDGEIIPH IPANQEVLNKVEVQYKTLPGWNTDISNARAFKELPVNAQNYVRFIEDELQIPVKWIGV

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	GKSRESMIQLF
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining
Storage	Short-term storage: Store at 2-8 centigrade for (1-2 weeks). Long-term storage: Aliquot and store at -20 centigrade to -80 centigrade for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.
Reconstitution	Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage. Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used).

GENE INFORMATION

Gene Name	ADSS2
Official Symbol	ADSS2
Synonyms	ADEH; ADSS; ADSS 2
Gene ID	159
mRNA Refseq	NM_001126.5
Protein Refseq	NP_001117.2
MIM	103060

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UniProt ID P30520

SDS-PAGE of ADSS-
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