

Datasheet for ABIN7563053

ADSSL1 Protein (AA 1-457) (His tag)



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Overview

Quantity:	1 mg
Target:	ADSSL1
Protein Characteristics:	AA 1-457
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ADSSL1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Adss1 Protein expressed in mammalian cells.
Sequence:	<p>MSGTRASNDR PPGTGGVKRG RLQQEAAATG SRVTVVLGAQ WGDEGKGKVV DLLATDADIV</p> <p>SRCQGGNNAG HTVVVDGKEY DFHLLPSGII NTKAVSFIGN GVVIHLPGLF EEAKEKNEKKG</p> <p>LKDWEKRLII SDRAHLVDFD HQAVDGLQEV QRQAQEGKNI GTTKKGIGPT YSSKAARTGL</p> <p>RICDLLSDFD EFSARFKNLA HQHQSMFPTL EIDVEGQLKR LKGFAERIRP MVRDGVYFMY</p> <p>EALHGPPKKV LVEGANALL DIDFGTYPFV TSSNCTVGGV CTGLGIPPQN IGDVYGVVKA</p> <p>YTTRVGIGAF PTEQINEIGD LLQNRGHEWG VTTGRKRRCG WLDLMILRYA HVMNGFTALA</p> <p>LTKLDILDVL SEIKVGISYK LNGKRIPYFP ANQEILQKVE VEYETLPGWK ADTTGARKWE</p> <p>DLPPQAQSYV RFVENHMGVA VKWVGVGKSR ESMIQLF Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>

Product Details

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

ADSSL1

Alternative Name:

Adss1 ([ADSSL1 Products](#))

Background:

Adenylosuccinate synthetase isozyme 1 (AMPSase 1) (AdSS 1) (EC 6.3.4.4) (Adenylosuccinate synthetase like 1) (Adenylosuccinate synthetase, basic isozyme) (Adenylosuccinate synthetase, muscle isozyme) (M-type adenylosuccinate synthetase) (IMP--aspartate ligase 1),FUNCTION: Component of the purine nucleotide cycle (PNC), which interconverts IMP and AMP to regulate the nucleotide levels in various tissues, and which contributes to glycolysis and ammoniagenesis. Catalyzes the first committed step in the biosynthesis of AMP from IMP. {ECO:0000269|PubMed:12482871}.

Molecular Weight:

50.3 kDa

UniProt:

[P28650](#)

Pathways:

[Ribonucleoside Biosynthetic Process](#)

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months