Datasheet for ABIN7551126

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

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Overview

Quantity:	1 mg
Target:	ADSSL1
Protein Characteristics:	AA 1-457
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ADSSL1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ADSS1 Protein expressed in mammalian cells.
Sequence:	MSGTRASNDR PPGAGGVKRG RLQQEAAATG SRVTVVLGAQ WGDEGKGKVV DLLATDADII SRCQGGNNAG HTVVVDGKEY DFHLLPSGII NTKAVSFIGN GVVIHLPGLF EEAEKNEKKG LKDWEKRLII SDRAHLVFDF HQAVDGLQEV QRQAQEGKNI GTTKKGIGPT YSSKAARTGL RICDLLSDFD EFSSRFKNLA HQHQSMFPTL EIDIEGQLKR LKGFAERIRP MVRDGVYFMY EALHGPPKKI LVEGANAALL DIDFGTYPFV TSSNCTVGGV CTGLGIPPQN IGDVYGVVKA YTTRVGIGAF PTEQINEIGG LLQTRGHEWG VTTGRKRRCG WLDLMILRYA HMVNGFTALA LTKLDILDVL GEVKVGVSYK LNGKRIPYFP ANQEMLQKVE VEYETLPGWK ADTTGARRWE DLPPQAQNYI RFVENHVGVA 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.**
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

Product Details

	isoform, please contact us regarding an individual offer.
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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
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, basic isozyme) (Adenylosuccinate synthetase, muscle isozyme) (M-type adenylosuccinate synthetase) (Adenylosuccinate synthetase-like 1) (AdSSL1) (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:26506222}.
Molecular Weight:	50.2 kDa
UniProt:	Q8N142
Pathways:	Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

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