

Datasheet for ABIN7552474

ASMTL Protein (AA 1-621) (His tag)



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Overview

Quantity:	1 mg
Target:	ASMTL
Protein Characteristics:	AA 1-621
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ASMTL protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ASMTL Protein expressed in mammalian cells.
Sequence:	<p>MVLCPVIGKL LHKRVVLASA SPRRQEILSN AGLRFEVVPS KFKEKLDKAS FATPYGYAME TAKQKALEVA NRLYQKDLRA PDVIGADTI VTVGGLILEK PVDKQDAYRM LSRLSGREHS VFTGVAIVHC SSKDHQLDTR VSEFYEETKV KFSELSEELL WEYVHSGEPM DKAGGYGIQA LGGMLVESVH GDFLNVVGFP LNHFKQLVK LYYPPRPEDL RRSVKHDSIP AADTFEDLSD VEGGGSEPTQ RDAGSRDEKA EAGEAGQATA EAECHRTRET LPPFPTRLLE LIEGFMLSKG LLTACKLKVF DLLKDEAPQK AADIASKVDA SACGMERLLD ICAAMGELLEK TEQGYSNTET ANVYLASDGE YSLHGFIMHN NDLTWNLFY LEFAIREGTN QHHRALGKKA EDLFQDAYYQ SPETRLRFMR AMHGMTKLTA CQVATAFNLS RFSSACDVGG CTGALARELA REYPRMQVTV FDLPDIIELA AHFQPPGPQA VQIHFAAGDF FRDPLPSAEL YVLCRILHDW PDDKVHKLLS RVAESCKPGA GLLLIVETLLD EEKRVQAL MQSLNMLVQT EGKERSLGEY QCLLELHGFH QVQVHLGGV LDAILATKVA P Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make</p>

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 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: ASMTL

Alternative Name: ASMTL ([ASMTL Products](#))

Background: Probable bifunctional dTTP/UTP pyrophosphatase/methyltransferase protein [Includes: dTTP/UTP pyrophosphatase (dTTPase/UTPase) (EC 3.6.1.9) (Nucleoside triphosphate pyrophosphatase) (Nucleotide pyrophosphatase) (Nucleotide PPase), N-acetylserotonin O-methyltransferase-like protein (ASMTL) (EC 2.1.1.-)],FUNCTION: Nucleoside triphosphate pyrophosphatase that hydrolyzes dTTP and UTP. Can also hydrolyze CTP and the modified nucleotides pseudo-UTP, 5-methyl-UTP (m(5)UTP) and 5-methyl-CTP (m(5)CTP). Has weak activity with dCTP, 8-oxo-GTP and N(4)-methyl-dCTP (PubMed:24210219). May have a dual role in cell division arrest and in preventing the incorporation of modified nucleotides into cellular nucleic acids (PubMed:24210219). In addition, the presence of the putative catalytic domain of S-adenosyl-L-methionine binding in the C-terminal region argues for a methyltransferase

Target Details

activity (Probable). {ECO:0000269|PubMed:24210219, ECO:0000305}.

Molecular Weight: 68.9 kDa

UniProt: [O95671](#)

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