

Datasheet for ABIN7546703
COASY Protein (AA 1-564) (His tag)



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Overview

Quantity:	1 mg
Target:	COASY
Protein Characteristics:	AA 1-564
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This COASY protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat COASY Protein expressed in mammalian cells.
Sequence:	MAVFRSGLLV LTTPLASLAP RLASILTSAA RLVNHTLYVH LQPGMSLEGP AQPQSSPVQA TFEVLDFITH LYAGADVHRH LDVRIILLTNI RTKSTFLPPL PTSVQNLAHP PEVLTDFQT LDGSQYNPVK QQLVRYATSC YSCCPRLASV LLYSDYGIGE VPVEPLDVPL PSTIRPASPV AGSPKQPVRG YYRGAVGGTF DRLHNAHKVL LSVACILAQE QLVGVADKD LLKSKLLPEL LQPYTERVEH LSEFLVDIKP SLTFDVIPLL DPYGPAGSDP SLEFLVVSEE TYRGGMAINR FRENLEEL ALYQIQLLKD LRHTENEEDK VSSSSFRQRM LGNLLRPPYE RPELPTCLYV IGLTGISGSG KSSIAQRLKG LGAFVIDSDH LGHRAYAPGG PAYQPVVEAF GTDILHKDGI INRKVLGSRV FGNKKQLKIL TDIMWPIIAK LAREEMDRAV AEGKRVCVID AAVLLEAGWQ NLVHEVWTAV IPETEAVRRI VERDGLSEAA AQSRLQSQMS GQQLVEQSHV VLSTLWEPHI TQRQVEKAWA LLQKRIPKTH QALD Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein

Product Details

could make another tag necessary. In case you have a special request, please contact us.

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:

COASY

Alternative Name:

COASY ([COASY Products](#))

Background:

Bifunctional coenzyme A synthase (CoA synthase) (NBP) (POV-2) [Includes: Phosphopantetheine adenylyltransferase (EC 2.7.7.3) (Dephospho-CoA pyrophosphorylase) (Pantetheine-phosphate adenylyltransferase) (PPAT), Dephospho-CoA kinase (DPCK) (EC 2.7.1.24) (Dephosphocoenzyme A kinase) (DPCOAK)],FUNCTION: Bifunctional enzyme that catalyzes the fourth and fifth sequential steps of CoA biosynthetic pathway. The fourth reaction is catalyzed by the phosphopantetheine adenylyltransferase, coded by the coaD domain, the fifth reaction is catalyzed by the dephospho-CoA kinase, coded by the coaE domain. May act as a point of CoA biosynthesis regulation. {ECO:0000269|PubMed:11923312, ECO:0000269|PubMed:24360804}.

Molecular Weight:

62.3 kDa

UniProt:

[Q13057](#)

Target Details

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.

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