

Datasheet for ABIN7555676

SYNRG Protein (AA 1-1314) (His tag)



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Overview

Quantity:	1 mg
Target:	SYNRG
Protein Characteristics:	AA 1-1314
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SYNRG protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SYNRG Protein expressed in mammalian cells.
Sequence:	<p>MALRPGAGSG GGGAAGAGAG SAGGGGFMFP VAGGIRPPQA GLMPMQQQGF PMVSVMQPNM</p> <p>QGIMGMNYSS QMSQGPIAMQ AGIPMGMPMA AGMPYLGQAP FLGMRPPGPQ YTPDMQKQFA</p> <p>EEQQRFEQQ QKLLEEERKR RQFEEQKQKL RLLSSVKPKT GEKSRDDALE AIKGNLDGFS</p> <p>RNAKMHPTPA SHPKKPGPSL EEKFLVSCDI STSGQEIQKL NTSEVGHKAL GPGSSKKYPS</p> <p>LMASNGVAVD GCVSGTTTAE AENTSDQNLS IEESGVGVFP SQDPAQPRMP PWIYNESLVP</p> <p>DAYKKILETT MTPTGIDTAK LYPILMSSGL PRETLGQIWA LANRTTPGKL TKEELYTVLA</p> <p>MIAVTQRGVP AMSPDALNQF PAAPIPTLSG FSMTLPTPVS QPTVIPSGPA GSMPLSLGQP</p> <p>VMGINLVGPV GGAAQASSG FIPTYANQV VKPEEDDFQD FQDASKSGSL DDSFSDFQEL</p> <p>PASSKTSNSQ HGNSAPSLLM PLPGTKALPS MDKYAVFKGI AADKSSSENTV PPGDPGDKYS</p> <p>AFRELEQTAE NKPLGESFAE FRSAGTDDGF TDFKTADSVS PLEPPTKDKT FPPSFPSGTI</p> <p>QQKQQTQVKN PLNLADLDMF SSVNCSSEKP LSFSAVFSTS KSVSTPQSTG SAATMTALAA</p> <p>TKTSSLADDF GEFSLFGEYS GLAPVGEQDD FADFMAFSNS SISSEQKPDD KYDALKEEAS</p>

PVPLTSNVGS TVKGGQNSTA ASTKYDVFRQ LSLEGSGLGV EDLKDNTPSG KSDDDFADFH
SSKFSSINSD KSLGEKAVAF RHTKEDSASV KSLDLPSIGG SSVGKEDSED ALSVQFDMKL
ADVGGDLKHV MSDSSLDLPT VSGQHPPAAD IEDLKAAFG SYSSNFAVST LTSYDWSDRD
DATQGRKLSP FVLSAGSGSP SATSILQKKE TSFGSSENIT MTSLSKVTTF VSEDALPETT
FPALASFKDT IPQTSEQKEY ENRDYKDFTK QDLPTAERSQ EATCPSPASS GASQETPNEC
SDDFGEFQSE KPKISKFDL VATSQSKMKS SEEMIKSELA TFDLSVQGSH KRSLSLGDKE
ISRSSPSPAL EQPFRDRSNT LNEKPALPVI RDKYKDLTGE VEENERYAYE WQRCLGSALN
VIKKANDTLN GISSSSVCTE VIQSAQMEY LLGVVEVYRV TKRVELGIKA TAVCSEKLQQ
LLKDIDKVWN NLIGFMSLAT LTPDENSLDF SSCMLRPGIK NAQELACGVC LLNVDSRSRK
EEKPAEEHPK KAFNSETDSF KLAYGGHQYH ASCANFWINC VEPKPPGLVL PDLL **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 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:	SYNRG
Alternative Name:	SYNRG (SYNRG Products)
Background:	Synergina gamma (AP1 subunit gamma-binding protein 1) (Gamma-synergina),FUNCTION: Plays a role in endocytosis and/or membrane trafficking at the trans-Golgi network (TGN) (PubMed:15758025). May act by linking the adapter protein complex AP-1 to other proteins (Probable). Component of clathrin-coated vesicles (PubMed:15758025). Component of the afitiphilin/p200/gamma-synergina complex, which plays roles in AP1G1/AP-1-mediated protein trafficking including the trafficking of transferrin from early to recycling endosomes, and the membrane trafficking of furin and the lysosomal enzyme cathepsin D between the trans-Golgi network (TGN) and endosomes (PubMed:15758025). {ECO:0000269 PubMed:15758025, ECO:0000305 PubMed:12538641}.
Molecular Weight:	140.7 kDa
UniProt:	Q9UMZ2

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