Datasheet for ABIN7546912

CXXC5 Protein (AA 1-322) (His tag)

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Overview

Quantity:	1 mg
Target:	CXXC5
Protein Characteristics:	AA 1-322
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CXXC5 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CXXC5 Protein expressed in mammalian cells.
Sequence:	MSSLGGGSQD AGGSSSSSTN GSGGSGSSGP KAGAADKSAV VAAAAPASVA DDTPPPERRN KSGIISEPLN KSLRRSRPLS HYSSFGSSGG SGGGSMMGGE SADKATAAAA AASLLANGHD LAAAMAVDKS NPTSKHKSGA VASLLSKAER ATELAAEGQL TLQQFAQSTE MLKRVVQEHL PLMSEAGAGL PDMEAVAGAE ALNGQSDFPY LGAFPINPGL FIMTPAGVFL AESALHMAGL AEYPMQGELA SAISSGKKKR KRCGMCAPCR RRINCEQCSS CRNRKTGHQI CKFRKCEELK KKPSAALEKV MLPTGAAFRW FQ **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:

Product Details

- 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:	CXXC5
Alternative Name:	CXXC5 (CXXC5 Products)
Background:	CXXC-type zinc finger protein 5 (CF5) (Putative MAPK-activating protein PM08) (Putative NF-kappa-B-activating protein 102) (Retinoid-inducible nuclear factor) (RINF),FUNCTION: May indirectly participate in activation of the NF-kappa-B and MAPK pathways. Acts as a mediator of BMP4-mediated modulation of canonical Wnt signaling activity in neural stem cells (By similarity). Required for DNA damage-induced ATM phosphorylation, p53 activation and cell cycle arrest. Involved in myelopoiesis. Transcription factor. Binds to the oxygen responsive element of COX4I2 and represses its transcription under hypoxia conditions (4 % oxygen), as well as normoxia conditions (20 % oxygen) (PubMed:23303788). May repress COX4I2 transactivation induced by CHCHD2 and RBPJ (PubMed:23303788). Binds preferentially to DNA containing cytidine-phosphate-guanosine (CpG) dinucleotides over C pH (H=A, T, and C), hemimethylated-CpG and hemimethylated-hydroxymethyl-CpG (PubMed:29276034). {ECO:0000250|UniProtKB:Q5XIQ3, ECO:0000269|PubMed:19182210, ECO:0000269|PubMed:19557330, ECO:0000269|PubMed:23303788, ECO:0000269|PubMed:29276034}.

Target Details

Molecular Weight:	33.0 kDa
UniProt:	Q7LFL8

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