Datasheet for ABIN7555105

PUF60 Protein (AA 1-559) (His tag)

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Overview

Quantity:	1 mg
Target:	PUF60
Protein Characteristics:	AA 1-559
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PUF60 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant PUF60 Protein expressed in mammalian cells.
Sequence:	MATATIALQV NGQQGGGSEP AAAAAVVAAG DKWKPPQGTD SIKMENGQST AAKLGLPPLT PEQQEALQKA KKYAMEQSIK SVLVKQTIAH QQQQLTNLQM AAVTMGFGDP LSPLQSMAAQ RQRALAIMCR VYVGSIYYEL GEDTIRQAFA PFGPIKSIDM SWDSVTMKHK GFAFVEYEVP EAAQLALEQM NSVMLGGRNI KVGRPSNIGQ AQPIIDQLAE EARAFNRIYV ASVHQDLSDD DIKSVFEAFG KIKSCTLARD PTTGKHKGYG FIEYEKAQSS QDAVSSMNLF DLGGQYLRVG KAVTPPMPLL TPATPGGLPP AAAVAAAAAT AKITAQEAVA GAAVLGTLGT PGLVSPALTL AQPLGTLPQA VMAAQAPGVI TGVTPARPPI PVTIPSVGVV NPILASPPTL GLLEPKKEKE EEELFPESER PEMLSEQEHM SISGSSARHM VMQKLLRKQE STVMVLRNMV DPKDIDDDLE GEVTEECGKF GAVNRVIIYQ EKQGEEEDAE IIVKIFVEFS IASETHKAIQ ALNGRWFAGR KVVAEVYDQE RFDNSDLSA **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.**

Product Details

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:	PUF60
Alternative Name:	PUF60 (PUF60 Products)
Background:	Poly(U)-binding-splicing factor PUF60 (60 kDa poly(U)-binding-splicing factor) (FUSE-binding protein-interacting repressor) (FBP-interacting repressor) (Ro-binding protein 1) (RoBP1) (Siah-binding protein 1) (Siah-BP1),FUNCTION: DNA- and RNA-binding protein, involved in several nuclear processes such as pre-mRNA splicing, apoptosis and transcription regulation. In association with FUBP1 regulates MYC transcription at the P2 promoter through the core-TFIIH basal transcription factor. Acts as a transcriptional repressor through the core-TFIIH basal transcription factor. Represses FUBP1-induced transcriptional activation but not basal transcription. Decreases ERCC3 helicase activity. Does not repress TFIIH-mediated transcription in xeroderma pigmentosum complementation group B (XPB) cells. Is also involved in pre-mRNA splicing. Promotes splicing of an intron with weak 3'-splice site and pyrimidine tract in a cooperative manner with U2AF2. Involved in apoptosis induction when overexpressed

Target Details

	in HeLa cells. Isoform 6 failed to repress MYC transcription and inhibited FIR-induced apoptosis in colorectal cancer. Isoform 6 may contribute to tumor progression by enabling increased MYC expression and greater resistance to apoptosis in tumors than in normal cells. Modulates alternative splicing of several mRNAs. Binds to relaxed DNA of active promoter regions. Binds to the pyrimidine tract and 3'-splice site regions of pre-mRNA, binding is enhanced in presence of U2AF2. Binds to Y5 RNA in association with RO60. Binds to poly(U) RNA. {ECO:0000269|PubMed:10606266, ECO:0000269|PubMed:10882074, ECO:0000269|PubMed:11239393, ECO:0000269|PubMed:16452196, ECO:0000269|PubMed:16628215, ECO:0000269|PubMed:17579712}.
Molecular Weight:	59.9 kDa
UniProt:	Q9UHX1

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

