

Datasheet for ABIN7554195
IWS1 Protein (AA 1-819) (His tag)



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Overview

Quantity:	1 mg
Target:	IWS1
Protein Characteristics:	AA 1-819
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IWS1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant IWS1 Protein expressed in mammalian cells.
Sequence:	MDSEYYSGDQ SDDGGATPVQ DERDSGSDGE DDVNEQHSGS DTGSVERHSE NETSDREDGL PKGHHVTDSE NDEPLNLNAS DSESEELHRQ KSDSESEER AEPPASDSEN EDVNQHGSDS ESEETRKLPG SDSENEELN GHASDSENE V GKHPASDSE IEELQKSPAS DSETEDALKP QISDSESEEP PRHQASDSEN EEPKPRMSD SESEELPKPQ VSDSESEEP RHQASDSENE ELPKPRISDS ESEDPPRHQA SDSENEELPK PRISDSESED PPRNQASDSE NEELPKPRVS DSESEGPQKG PASDSETEDA SRHKQKPESD DSDRENKGE DTEMQNDSFH SDSHMDRKKF HSSDSEEEH KKQKMSDED EKEGEEKVA KRKA AVLSDS EEEKASAKK SRVSDADDS DSDAVSDKSG KREKTIASDS EEEAGKELSD KKNEEKDLFG SDSSEGN EEE NLIADIFGES GDEEEEF TG FNQEDLEEEK GETQVKEAED SDSDDNIKRG KHMDFLSDFE MMLQRKKSMS GKRRNRDGG TFISDADDVV SAMIVKMNEA AEEDRQLNNQ KKPALKKLTL LPAVVMHLKK QDLKETFIDS GVMSAIKEWL SPLPDRSLPA LKIREELKI LQELPSVSQE TLKHSGIGRA VMYLYKHPKE SRSNKDMAGK LINEWSRPIF GLTSNYKGMT REEREQRDLE QMPQRRRMNS

Product Details

TGGQTPRRDL EKVLGTGEEKA LRPGDPGFCA RARVPMPNSK DYVVRPKWNV EMESSRFQAT
SKKGISRLDK QMRKFTDIRK KSRSAHAVKI SIEGNKMPL **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: IWS1

Alternative Name: IWS1 ([IWS1 Products](#))

Background: Protein IWS1 homolog (IWS1-like protein),FUNCTION: Transcription factor which plays a key role in defining the composition of the RNA polymerase II (RNAPII) elongation complex and in modulating the production of mature mRNA transcripts. Acts as an assembly factor to recruit various factors to the RNAPII elongation complex and is recruited to the complex via binding to the transcription elongation factor SUPT6H bound to the C-terminal domain (CTD) of the RNAPII subunit RPB1 (POLR2A). The SUPT6H:IWS1:CTD complex recruits mRNA export factors

Target Details

(ALYREF/THOC4, EXOSC10) as well as histone modifying enzymes (such as SETD2) to ensure proper mRNA splicing, efficient mRNA export and elongation-coupled H3K36 methylation, a signature chromatin mark of active transcription. {ECO:0000269|PubMed:17184735, ECO:0000269|PubMed:17234882, ECO:0000269|PubMed:19141475}.

Molecular Weight: 92.0 kDa

UniProt: [Q96ST2](#)

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