

Datasheet for ABIN7556047
XRN2 Protein (AA 1-950) (His tag)



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Overview

Quantity:	1 mg
Target:	XRN2
Protein Characteristics:	AA 1-950
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This XRN2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat XRN2 Protein expressed in mammalian cells.
Sequence:	MGVPAFFRWL SRKYPSIIVN CVEEKPKECN GVKIPVDASK PNPNDVEFDN LYLDMNGIIH PCTHPEDKPA PKNEDEMMVA IFEYIDRLFS IVRPRRLLYM AIDGVAPRAK MNQQRSSRRFR ASKEGMEAAV EKQVRVEEIL AKGGFLPPEE IKERFDSNCI TPGTEFMDNL AKCLRYIAD RLNNDPGWKN LTVILSDASA PGEGEHKIMD YIRRQRAQPN HDPNTHHCLC GADADLIMLG LATHEPNFTI IREEFKPNKP KPCGLCNQFG HEVKDCEGLP REKKGKHDEL ADSLPCAEGE FIFRLNVLR EYLERELTMA SLPFTFDVER SIDDWVFMCF FVGNDFLPHL PSLEIRENAI DRLVNIYKNV VHKTGGYLTE SGYVNLQRVQ MIMLAVGEVE DSIFKKRKDD EDSFRRRQKE KRKRMKRDQP AFTPSGILTP HALGSRNSPG SQVASNPRQA AYEMRMQNNS SPSISPNTSF TSDGSPSPLG GIKRKAEDSD SEPEPEDNVR LWEAGWKQRY YKNKFDVDAA DEKFRRKVVQ SYVEGLCWVL RYYYQGCASW KWYYPFHYAP FASDFEGIAD MPSPFEKGTK PFKPLEQLMG VFPAASGNFL PPSWRKLMMSD PDSSIIDFYP EDFAIDLNGK KYAWQGVALL PFVDERRLRA

Product Details

ALEEVYDILT PEETRRNSLG GDVLFVKGHH PLHDFILELY QTGSTPEVEV PPELCHGIQG
KFSLDDEEAIL PDQIVCSPVP MLRDLTQNTV VSINFKDPQF AEDYIFKAVM LPGARKPAAV
LKPSDWEKSS NGRQWKPQLG FNRDRRPVHL DQAAFRTLGH VMPRGSGTGI YSNAAPPPVT
YQGNLYRPLL RGQAQIPKLM SNMRPQDSWR GPPPLFQQQR FDRGVGAEPL LPWNRMLQTO
NAAFQPNQYQ MLAGPGGYPP RRDDRGGRRQG YPREGRKYPL PPPSGRYNWN **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.**

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:

XRN2

Alternative Name:

XRN2 ([XRN2 Products](#))

Background:

5'-3' exoribonuclease 2 (EC 3.1.13.-) (DHM1-like protein) (DHP protein),FUNCTION: Possesses 5'->3' exoribonuclease activity (By similarity). May promote the termination of transcription by RNA polymerase II. During transcription termination, cleavage at the polyadenylation site liberates a 5' fragment which is subsequently processed to form the mature mRNA and a 3' fragment which remains attached to the elongating polymerase. The processive degradation of

Target Details

this 3' fragment by this protein may promote termination of transcription. Binds to RNA polymerase II (RNAP II) transcription termination R-loops formed by G-rich pause sites (PubMed:21700224). {ECO:0000250, ECO:0000269|PubMed:15565158, ECO:0000269|PubMed:16648491, ECO:0000269|PubMed:21700224}.

Molecular Weight: 108.6 kDa

UniProt: [Q9H0D6](#)

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