

Datasheet for ABIN7549677
RDBP Protein (AA 1-380) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	RDBP
Protein Characteristics:	AA 1-380
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RDBP protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant NELFE Protein expressed in mammalian cells.
Sequence:	<p>MLVIPPLSE EEEALQKKFN KLKKKKKALL ALKKQSSSST TSQGGVKRSL SEQPVMdTAT</p> <p>ATEQAKQLVK SGAISAIKAE TKNSGFKRSR TLEGKLDPE KGPVPTFQPF QRSISADDDL</p> <p>QESSRRPQRK SLYESFVSSS DRLRELPGDG EEAEGPGAGD GPPRSFDWGY EERSGAHSSA</p> <p>SPPRSRSRDR SHERNRDRDR DRERDRDRDR DRDRERDRDR DRDRDRDRER DRDRERDRDR</p> <p>DREGPFRRSD SFPERRAPRK GNTLYVYGED MTPTLLRGAF SPFGNIIDLS MDPPRNCAFV</p> <p>TYEKMESADQ AVAELNGTQV ESVQLKVNIA RKQPMLDAAT GKSVWGLAV QNSPKGCHRD</p> <p>KRTQIVYSDD VYKENLVDGF 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.</p>
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:	RDBP
Alternative Name:	NELFE (RDBP Products)
Background:	Negative elongation factor E (NELF-E) (RNA-binding protein RD),FUNCTION: Essential component of the NELF complex, a complex that negatively regulates the elongation of transcription by RNA polymerase II (PubMed:10199401, PubMed:27256882). The NELF complex, which acts via an association with the DSIF complex and causes transcriptional pausing, is counteracted by the P-TEFb kinase complex (PubMed:11940650, PubMed:12612062, PubMed:27256882). Provides the strongest RNA binding activity of the NELF complex and may initially recruit the NELF complex to RNA (PubMed:18303858, PubMed:27282391, PubMed:27256882). {ECO:0000269 PubMed:10199401, ECO:0000269 PubMed:11940650, ECO:0000269 PubMed:12612062, ECO:0000269 PubMed:18303858, ECO:0000269 PubMed:27256882, ECO:0000269 PubMed:27282391}., FUNCTION: (Microbial infection) The NELF complex is involved in HIV-1 latency possibly involving recruitment of PCF11 to paused RNA polymerase II. {ECO:0000269 PubMed:23884411}.
Molecular Weight:	43.2 kDa

Target Details

UniProt: [P18615](#)

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