

Datasheet for ABIN7555485
ANKRD32 Protein (AA 1-1058) (His tag)



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Overview

Quantity:	1 mg
Target:	ANKRD32
Protein Characteristics:	AA 1-1058
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ANKRD32 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SLF1 Protein expressed in mammalian cells.
Sequence:	MEDGTPKHII QMTGFKMEEK EALVKLLLKL DCTFIKSEKY KNCTHLIAER LCKSEKFLAA CAAGKWILTK DYIIHSAKSG RWLDETTYEW GYKIEKDSRY SPQMQSAPKR WREELKRTGA PGAFHRWKVV LLVRTDKRSD SLIRVLEAGK ANVILPKSSP SGITHVIASN ARIKAEKEKD NFKAPFYPIQ YLGDFLLEKE IQNDEDSQTN SVWTEHSNEE TNKDFRKDAG FLEMKGALRE TMYRTQKEMQ NHEDVNVGSI LIQHHKKEKF SGSSKDLKFV KMRNTFGSHT YENQKEIKKK DEDIQRSYTL RRRKRKKGKES NCKKGVEHEK IKSTLRRHIY NRDQKEMKNS IFAEYAKESK AMAIKTDVDV VEIKNTRLRKH IYRAQAVRYN CIRIDKQPVY NVEVKNAEFP RGVNLNIESL IEGHFFKEAI EELSTLQAHY IPPVCVLHAL LENVLQDNID TFSGRYFHIL SALLHLHPPW KSPAMSRYYL ELFQCPTCMK GAWSLVEVLI RSCLFNESFC HQISENIGSK VLHLTLKFF FNLIESEVQH LSQKLYDWSO SGNLKITGKA MLLEIFWSGS ETSGLLTKPV NMLLEWTIYS HKEKFKSNDV FKHELAYLLA GILGAAIDYW IFLGLKMGRN VMRHMSDDLQ SYVSLSCDDF SSQELEIFIC SFSSSWLQMF VAEAVFKKLC LQSSGSVSSE PLSLQKMOVYS YLPALGKTGV

Product Details

LGSGKIQVSK KIGQRPCFDS QRTLLMLNGT KQKQVEGLPE LLDLNLAKCS SSLKCLKKKS
EGELSCSKEN CPSVVKKMNF HKTNLKGETA LHRACINNQV EKLILLSLP GIDINVKDNA
GWTPLHEACN YGNTVCVQEI LQRCPEVDLL TQVDGVTPLH DALSNHVEI GKLLLQHGGP
VLLQQRNAKG ELPLDYVVSP QIKEELFAIT KIEDTVENFH AQAEKHFHYQ QLEFGSFLLS
RMLLNFCISIF DLSSEFILAS KGLTHLNELL MACKSHKETT SVHTDWLLDL YAGNIKTLQK
LPHILKELPE NLKVCPGVHT EALMITLEMM CRSVMEFS **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: ANKRD32

Alternative Name: SLF1 ([ANKRD32 Products](#))

Background: SMC5-SMC6 complex localization factor protein 1 (Ankyrin repeat domain-containing protein 32) (BRCT domain-containing protein 1) (Smc5/6 localization factor 1),FUNCTION: Plays a role

Target Details

in the DNA damage response (DDR) pathway by regulating postreplication repair of UV-damaged DNA and genomic stability maintenance (PubMed:25931565). The SLF1-SLF2 complex acts to link RAD18 with the SMC5-SMC6 complex at replication-coupled interstrand cross-links (ICL) and DNA double-strand breaks (DSBs) sites on chromatin during DNA repair in response to stalled replication forks (PubMed:25931565). Promotes the recruitment of SLF2 and the SMC5-SMC6 complex to DNA lesions (PubMed:25931565, PubMed:36373674). {ECO:0000269|PubMed:25931565, ECO:0000269|PubMed:36373674}.

Molecular Weight: 121.1 kDa

UniProt: [Q9BQI6](#)

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