Datasheet for ABIN7552773

RNF20 Protein (AA 1-975) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	RNF20
Protein Characteristics:	AA 1-975
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RNF20 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant RNF20 Protein expressed in mammalian cells.
Sequence:	MSGIGNKRAA GEPGTSMPPE KKAAVEDSGT TVETIKLGGV SSTEELDIRT LQTKNRKLAE MLDQRQAIED ELREHIEKLE RRQATDDASL LIVNRYWSQF DENIRIILKR YDLEQGLGDL LTERKALVVP EPEPDSDSNQ ERKDDRERGE GQEPAFSFLA TLASSSSEEM ESQLQERVES SRRAVSQIVT VYDKLQEKVE LLSRKLNSGD NLIVEEAVQE LNSFLAQENM RLQELTDLLQ EKHRTMSQEF SKLQSKVETA ESRVSVLESM IDDLQWDIDK IRKREQRLNR HLAEVLERVN SKGYKVYGAG SSLYGGTITI NARKFEEMNA ELEENKELAQ NRLCELEKLR QDFEEVTTQN EKLKVELRSA VEQVVKETPE YRCMQSQFSV LYNESLQLKA HLDEARTLLH GTRGTHQHQV ELIERDEVSL HKKLRTEVIQ LEDTLAQVRK EYEMLRIEFE QTLAANEQAG PINREMRHLI SSLQNHNHQL KGEVLRYKRK LREAQSDLNK TRLRSGSALL QSQSSTEDPK DEPAELKPDS EDLSSQSSAS KASQEDANEI KSKRDEEERE RERREKERER ERERERKEKER EREKQKLKES EKERDSAKDK EKGKHDDGRK KEAEIIKQLK IELKKAQESQ KEMKLLLDMY RSAPKEQRDK VQLMAAEKKS KAELEDLRQR LKDLEDKEKK ENKKMADEDA LRKIRAVEEQ IEYLQKKLAM

Product Details

	AKQEEEALLS EMDVTGQAFE DMQEQNIRLM QQLREKDDAN FKLMSERIKS NQIHKLLKEE KEELADQVLT LKTQVDAQLQ VVRKLEEKEH LLQSNIGTGE KELGLRTQAL EMNKRKAMEA AQLADDLKAQ LELAQKKLHD FQDEIVENSV TKEKDMFNFK RAQEDISRLR RKLETTKKPD NVPKCDEILM EEIKDYKARL TCPCCNMRKK DAVLTKCFHV FCFECVKTRY DTRQRKCPKC NAAFGANDFH RIYIG **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:	RNF20
Alternative Name:	RNF20 (RNF20 Products)
Background:	E3 ubiquitin-protein ligase BRE1A (BRE1-A) (hBRE1) (EC 2.3.2.27) (RING finger protein 20) (RING-type E3 ubiquitin transferase BRE1A),FUNCTION: Component of the RNF20/40 E3 ubiquitin-protein ligase complex that mediates monoubiquitination of 'Lys-120' of histone H2B (H2BK120ub1). H2BK120ub1 gives a specific tag for epigenetic transcriptional activation and is

Target Details

	also prerequisite for histone H3 'Lys-4' and 'Lys-79' methylation (H3K4me and H3K79me, respectively). It thereby plays a central role inb histone code and gene regulation. The RNF20/40 complex forms a H2B ubiquitin ligase complex in cooperation with the E2 enzyme UBE2A or UBE2B, reports about the cooperation with UBE2E1/UBCH are contradictory. Required for transcriptional activation of Hox genes. Recruited to the MDM2 promoter, probably by being recruited by p53/TP53, and thereby acts as a transcriptional coactivator. Mediates the polyubiquitination of isoform 2 of PA2G4 in cancer cells leading to its proteasome-mediated degradation. {ECO:0000269|PubMed:16307923, ECO:0000269|PubMed:16337599, ECO:0000269|PubMed:19037095, ECO:0000269|PubMed:19410543}., FUNCTION: (Microbial infection) Promotes the human herpesvirus 8 (KSHV) lytic cycle by inducing the expression of lytic viral genes including the latency switch gene RTA/ORF50. {ECO:0000269|PubMed:37888983}.
Molecular Weight:	113.7 kDa
UniProt:	Q5VTR2

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

