

Datasheet for ABIN7552680
RNF40 Protein (AA 1-1001) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	RNF40
Protein Characteristics:	AA 1-1001
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RNF40 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat RNF40 Protein expressed in mammalian cells.
Sequence:	MSGPGNKRAA GDGGSGPPEK KLSREEKTTT TLIPIRLGG ISSTEEMDLK VLQFKNKKLA ERLEQRQACE DELRERIEKL EKQATDDAT LLIVNRYWAQ LDETVEALLR CHESQGELSS APEAPGTQEG PTCDGTPLE PGTSELRDPL LMQLRPPLSE PALAFVVALG ASSSEEVELE LQGRMEFSKA AVSRVVEASD RLQRRVEELC QRVYRSGDSE PLSEAAQAHT RELGRENRRR QDLATQLQEK HHRISLEYSE LQDKVTAET KVLEMETTVE DLQWDIEKLR KREQKLNKHL AEALEQLNSG YYVSGSSSGF QGGQITLSMQ KFEMLNAELE ENQELANSRM AELEKLQAE QGAVRTNERL KVALRSLPEE VVRETGEYRM LQAQFSLLYN ESLQVKTQLD EARGLLLATK NSHLRHIEHM ESDGLGLQKK LRTEVIQLED TLAQVRKEYE MLRIEFEQNL AANEQAGPIN REMRHLISSL QNHNLKQGD AQRYKRKLRE VQAEIGKLRA QASGSAHSTP NLGHPEDSGV SAPAPGKEEG GPGPVSTPDN RKEMAPVPGT TTTTTSVKKE ELVPSEEDFQ GITPGAQGPS SRGREPEARP KRELREREGP SLGPPPVASA LSRADREKAK VEETKRKESE LLKGLRAELK

Product Details

KAQESQKEMK LLLDMYKSAP KEQRDKVQLM AAERKAKAEV DELRSRIREL EERDRRESKK
IADEDALRRI RQAEEQIEHL QRKLGATKQE EEALLSEMDV TGQAFEDMQE QNGRLLQQLR
EKDDANFKLM SERIKANQIH KLLREEKDEL GEQVLGLKSQ VDAQLLTVQK LEEKERALQG
SLGGVEKELT LRSQALELNK RKAVEAAQLA EDLKVQLEHV QTRLREIQPC LAESRAAREK
ESFNLKRAQE DISRLRRKLE KQRKVEVYAD ADEILQEEIK EYKARLTCPC CNTRKKDAVL
TKCFHVFCFE CVRGRYEARQ RKCPKCNAAF GAHDFHRIYI S **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:

RNF40

Alternative Name:

RNF40 ([RNF40 Products](#))

Background:

E3 ubiquitin-protein ligase BRE1B (BRE1-B) (EC 2.3.2.27) (95 kDa retinoblastoma-associated protein) (RBP95) (RING finger protein 40) (RING-type E3 ubiquitin transferase BRE1B),FUNCTION: Component of the RNF20/40 E3 ubiquitin-protein ligase complex that mediates monoubiquitination of 'Lys-120' of histone H2B (H2BK120ub1). H2BK120ub1 gives a

Target Details

specific tag for epigenetic transcriptional activation and is also prerequisite for histone H3 'Lys-4' and 'Lys-79' methylation (H3K4me and H3K79me, respectively). It thereby plays a central role in 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. {ECO:0000269|PubMed:16307923, 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: [O75150](#)

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