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Datasheet for ABIN7561839
RNF4 Protein (AA 1-194) (His tag)

Overview

Quantity:	1 mg
Target:	RNF4
Protein Characteristics:	AA 1-194
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RNF4 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Rnf4 Protein expressed in mammalian cells.
Sequence:	MSTRNPQRKR RGGTVNSRQT QKRTRETTST PEVSLETEPI ELVETVGDEI VDLTGESLEP VVVDLTHNDS VVIVEERRRP RRNGRRLRQD HADSCVSSD DEELSRDKDV YVTTHTPRST KDDGATGPRP SGTVSPICM DGYSEIVQNG RLIVSTECGH VFCSQCLRDS LKNANTCPTC RKKINHKRYH PIYI 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: <ul style="list-style-type: none">• 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

Product Details

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)
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Grade:	custom-made
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Target Details

Target:	RNF4
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Alternative Name:	Rnf4 (RNF4 Products)
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Background:	E3 ubiquitin-protein ligase RNF4 (EC 2.3.2.27) (RING finger protein 4),FUNCTION: E3 ubiquitin-protein ligase which binds polysumoylated chains covalently attached to proteins and mediates 'Lys-6', 'Lys-11', 'Lys-48' and 'Lys-63'-linked polyubiquitination of those substrates and their subsequent targeting to the proteasome for degradation (PubMed:20681948). Regulates the degradation of several proteins including PML and the transcriptional activator PEA3 (By similarity). Involved in chromosome alignment and spindle assembly, it regulates the kinetochore CENPH-CENPI-CENPK complex by targeting polysumoylated CENPI to proteasomal degradation (By similarity). Regulates the cellular responses to hypoxia and heat shock through degradation of respectively EPAS1 and PARP1 (By similarity). Alternatively, it may also bind DNA/nucleosomes and have a more direct role in the regulation of transcription for instance enhancing basal transcription and steroid receptor-mediated transcriptional activation (By similarity). Catalyzes ubiquitination of sumoylated PARP1 in response to PARP1 trapping to chromatin, leading to PARP1 removal from chromatin by VCP/p97 (By similarity). {ECO:0000250 UniProtKB:P78317, ECO:0000269 PubMed:20681948}.
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Molecular Weight:	21.9 kDa
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UniProt:	Q9QZS2
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Target Details

Pathways: [Intracellular Steroid Hormone Receptor Signaling Pathway](#)

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