

Datasheet for ABIN7551201
RNF144A Protein (AA 1-292) (His tag)



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Overview

Quantity:	1 mg
Target:	RNF144A
Protein Characteristics:	AA 1-292
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RNF144A protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat RNF144A Protein expressed in mammalien cells.
Sequence:	MTTTRYRPTW DLALDPLVSC KLCLGEYPVE QMTTIAQCQC IFCTLCLKQY VELLIKEGLE TAISCPDAAC PKQGHLENE IECMVAEIM QRYKKLQFER EVLFDPCRTW CPASTCQAVC QLQDVGLQTP QPVQCKACRM EFCSTCKASW HPGQGCPETM PITFLPGETS AAFKMEEDDA PIKRCPKCKV YIERDEGCAQ MMCKNCKHAF CWYCLESDD DFLLIHYDKG PCRNKLGHSR ASVIWHRTQV VGIFAGFGLL LLVASPFLLL ATPFVLCCKC KCSKGDDDPL PT 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: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- 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
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Grade:	custom-made
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Target Details

Target:	RNF144A
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Alternative Name:	RNF144A (RNF144A Products)
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Background:	<p>E3 ubiquitin-protein ligase RNF144A (EC 2.3.2.31) (RING finger protein 144A) (UbcM4-interacting protein 4) (Ubiquitin-conjugating enzyme 7-interacting protein 4),FUNCTION: E3 ubiquitin-protein ligase which accepts ubiquitin from E2 ubiquitin-conjugating enzymes UBE2L3 and UBE2L6 in the form of a thioester and then directly transfers the ubiquitin to targeted substrates (PubMed:26216882). Mediates the ubiquitination and degradation of the DNA damage kinase PRKDC during DNA damage (PubMed:24979766). Positively regulates DNA virus or exogenous cytosolic DNA-triggered innate immune response by mediating STING1 ubiquitination and increasing its 'Lys-6'-linked ubiquitination and translocation from the endoplasmic reticulum to the Golgi leading to downstream signaling pathways (PubMed:37955227). Plays a positive role in EGF-dependent cell proliferation by prolonging EGF/EGFR signaling during EGF stimulation through EGFR ubiquitination (PubMed:30171075). Increases ERK activity independently of EGFR signaling by promoting polyubiquitination and subsequent degradation of VRK3 in the cytosol (PubMed:33067254). {ECO:0000250, ECO:0000269 PubMed:24979766, ECO:0000269 PubMed:26216882, ECO:0000269 PubMed:30171075, ECO:0000269 PubMed:33067254,</p>
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Target Details

ECO:0000269|PubMed:37955227}.

Molecular Weight: 32.9 kDa

UniProt: [P50876](#)

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