

Datasheet for ABIN7551444
RNF186 Protein (AA 1-227) (His tag)



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Overview

Quantity:	1 mg
Target:	RNF186
Protein Characteristics:	AA 1-227
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RNF186 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant RNF186 Protein expressed in mammalian cells.
Sequence:	MACTKTLQQS QPISAGATTT TTAVAPAGGH SGSTECDLEC LVCREPYSCP RLPKLLACQH AFCAICLKLL LCVQDNTWSI TCPLCRKVTA VPGGLICSLR DHEAVGQLA QPCTEVSLCP QGLVDPADLA AGHPSLVGED GQDEVSANHV AARRLAAHLL LLALLIILIG PFIYPGVLRW VLTFIILAL LMSTLFCCLP STRGSCWPSS RTLFCREQKH SHISSIA 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.

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	RNF186
Alternative Name:	RNF186 (RNF186 Products)
Background:	<p>E3 ubiquitin-protein ligase RNF186 (EC 2.3.2.27) (RING finger protein 186),FUNCTION: E3 ubiquitin protein ligase that is part of an apoptotic signaling pathway activated by endoplasmic reticulum stress (PubMed:23896122). Stimulates the expression of proteins specific of the unfolded protein response (UPR), ubiquitinates BNIP1 and regulates its localization to the mitochondrion and induces calcium release from the endoplasmic reticulum that ultimately leads to cell apoptosis (PubMed:23896122). Plays a role in the maintenance of intestinal homeostasis and clearance of enteric pathogens. Upon NOD2 stimulation, ubiquitinates the ER stress sensor activating transcription factor 6/ATF6 and promotes the unfolded protein response UPR (PubMed:34623328). Participates in basal level of autophagy maintenance by regulating the ubiquitination of EPHB2 and EPHB3. Upon stimulation by ligand EFN1, ubiquitinates EPHB2 and further recruits MAP1LC3B for autophagy induction (PubMed:33280498). Controls nutrient sensing by ubiquitinating Sestrin-2/SESN2, which is an intracellular sensor of cytosolic leucine and inhibitor of mTORC1 activity (PubMed:31586034). {ECO:0000269 PubMed:23896122, ECO:0000269 PubMed:31586034, ECO:0000269 PubMed:33280498, ECO:0000269 PubMed:34623328}.</p>

Target Details

Molecular Weight: 24.1 kDa

UniProt: [Q9NXI6](#)

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