Datasheet for ABIN7551447

RNF114 Protein (AA 1-228) (His tag)

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Overview

Quantity:	1 mg
Target:	RNF114
Protein Characteristics:	AA 1-228
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RNF114 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant RNF114 Protein expressed in mammalian cells.
Sequence:	MAAQQRDCGG AAQLAGPAAE ADPLGRFTCP VCLEVYEKPV QVPCGHVFCS ACLQECLKPK KPVCGVCRSA LAPGVRAVEL ERQIESTETS CHGCRKNFFL SKIRSHVATC SKYQNYIMEG VKATIKDASL QPRNVPNRYT FPCPYCPEKN FDQEGLVEHC KLFHSTDTKS VVCPICASMP WGDPNYRSAN FREHIQRRHR FSYDTFVDYD VDEEDMMNQV LQRSIIDQ **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.

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:	RNF114
Alternative Name:	RNF114 (RNF114 Products)
Background:	E3 ubiquitin-protein ligase RNF114 (EC 2.3.2.27) (RING finger protein 114) (RING-type E3 ubiquitin transferase RNF114) (Zinc finger protein 228) (Zinc finger protein 313),FUNCTION: E3 ubiquitin-protein ligase that promotes the ubiquitination of various substrates (PubMed:23645206, PubMed:25165885). In turn, participates in the regulation of many biological processes including cell cycle, apoptosis, osteoclastogenesis as well as innate or adaptive immunity (PubMed:25165885, PubMed:28708287). Acts as a negative regulator of NF-kappa-B-dependent transcription by promoting the ubiquitination and stabilization of the NF-kappa-B inhibitor TNFAIP3 (PubMed:25165885). May promote the ubiquitination of TRAF6 as well (PubMed:28708287). Acts also as a negative regulator of T-cell activation (PubMed:25165885). Inhibits cellular dsRNA responses and interferon production by targeting MAVS component for proteasomal degradation (PubMed:25165885). Ubiquitinates the CDK inhibitor CDKN1A leading to its degradationand probably also CDKN1B and CDKN1C (PubMed:23645206). This activity stimulates cell cycle G1-to-S phase transition and suppresses cellular senescence. May play a role in spermatogenesis. {ECO:0000269|PubMed:23645206, ECO:0000269|PubMed:25165885,

Target Details

	ECO:0000269|PubMed:28625874, ECO:0000269|PubMed:28708287}.
Molecular Weight:	25.7 kDa
UniProt:	Q9Y508

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

