

Datasheet for ABIN7551458

## RNF112 Protein (AA 1-631) (His tag)



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### Overview

Quantity:	1 mg
Target:	RNF112
Protein Characteristics:	AA 1-631
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RNF112 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant RNF112 Protein expressed in mammalian cells.
Sequence:	<p>MPRPALSVTS FCHRLGKRER KQSFMGNSGN SWSHTPFPKL ELGLGPQMA PRELPTCSIC  LERLRDPISL DCGHDFCIRC FSTHRLPGCE PPCCPECRKI CKQKRGLRSL GEKMKLLPQR  PLPPALQETC PVRAEPLLLV RINASGGLIL RMGAINRCLK HPLARDTPVC LLAVLGEQHS  GKSFLLNHLL QGLPGLESGE GGRPRGGEAS LQGCRWGANG LARGIWMWSH PFLLGKEGKK  VAVFLVDTGD AMSPELSRET RIKLCALTTM LSSYQILSTS QELKDTDL DY LEMFVHVAEV  MGKHYGMVPI QHLDLLVRDS SHPNKAGQGH VGNIFQRLSG RYPKVQELLQ GKRARCCLLP  APGRRRMNQG HASPGDTDDD FRHLLGAYVS DVLSAAPQHA KSR CQGYWNE GRAVARGDRR  LLTGQQLAQE IKNL SGWMGR TGP GFTSPDE MAAQLHDLRK VEA AKREFEE YVRQQDVATK  RIFSALRVLP DTM RNLLSTQ KDAILARHGV ALLCKGRDQT LEALEAELQA TAKAFMDSYT  MRFCGHAAV GGAVGAGLMG LAGGVVGAGM AAAALAAEAG MVAAGAAVGA TGA AVVGGGV  GAGLAATVGC MEKEEDERLL EGDREPLLQE E</p> <p><b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity</b></p>

**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:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	RNF112
Alternative Name:	RNF112 ( <a href="#">RNF112 Products</a> )
Background:	<p>RING finger protein 112 (EC 2.3.2.27) (Brain finger protein) (Zinc finger protein 179),FUNCTION: E3 ubiquitin-protein ligase that plays an important role in neuronal differentiation, including neurogenesis and gliogenesis, during brain development. During embryonic development initiates neuronal differentiation by inducing cell cycle arrest at the G0/G1 phase through up-regulation of cell-cycle regulatory proteins (PubMed:28684796). Plays a role not only in the fetal period during the development of the nervous system, but also in the adult brain, where it is involved in the maintenance of neural functions and protection of the nervous tissue cells from oxidative stress-induced damage. Exhibits GTPase and E3 ubiquitin-protein ligase activities. Regulates dendritic spine density and synaptic neurotransmission, its ability to hydrolyze GTP is</p>

### Target Details

	involved in the maintenance of dendritic spine density (By similarity). {ECO:0000250 UniProtKB:Q96DY5, ECO:0000269 PubMed:28684796}.
Molecular Weight:	68.3 kDa
UniProt:	<a href="#">Q9ULX5</a>

### 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