Datasheet for ABIN7551529

RNF10 Protein (AA 1-811) (His tag)

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Overview

Quantity:	1 mg
Target:	RNF10
Protein Characteristics:	AA 1-811
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RNF10 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant RNF10 Protein expressed in mammalian cells.
Sequence:	MPLSSPNAAA TASDMDKNSG SNSSSASSGS SKGQQPPRSA SAGPAGESKP KSDGKNSSGS KRYNRKRELS YPKNESFNNQ SRRSSSQKSK TFNKMPPQRG GGSSKLFSSS FNGGRRDEVA EAQRAEFSPA QFSGPKKINL NHLLNFTFEP RGQTGHFEGS GHGSWGKRNK WGHKPFNKEL FLQANCQFVV SEDQDYTAHF ADPDTLVNWD FVEQVRICSH EVPSCPICLY PPTAAKITRC GHIFCWACIL HYLSLSEKTW SKCPICYSSV HKKDLKSVVA TESHQYVVGD TITMQLMKRE KGVLVALPKS KWMNVDHPIH LGDEQHSQYS KLLLASKEQV LHRVVLEEKV ALEQQLAEEK HTPESCFIEA AIQELKTREE ALSGLAGSRR EVTGVVAALE QLVLMAPLAK ESVFQPRKGV LEYLSAFDEE TTEVCSLDTP SRPLALPLVE EEEAVSEPEP EGLPEACDDL ELADDNLKEG TICTESSQQE PITKSGFTRL SSSPCYYFYQ AEDGQHMFLH PVNVRCLVRE YGSLERSPEK ISATVVEIAG YSMSEDVRQR HRYLSHLPLT CEFSICELAL QPPVVSKETL EMFSDDIEKR KRQRQKKARE ERRRERRIEI EENKKQGKYP EVHIPLENLQ QFPAFNSYTC SSDSALGPTS TEGHGALSIS PLSRSPGSHA DFLLTPLSPT ASQGSPSFCV GSLEEDSPFP SFAQMLRVGK

Product Details

	AKADVWPKTA PKKDENSLVP PAPVDSDGES DNSDRVPVPS FQNSFSQAIE AAFMKLDTPA TSDPLSEEKG GKKRKKQKQK LLFSTSVVHT K **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. • 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:	RNF10
Alternative Name:	RNF10 (RNF10 Products)
Background:	E3 ubiquitin-protein ligase RNF10 (EC 2.3.2.27) (RING finger protein 10),FUNCTION: E3 ubiquitin-protein ligase that catalyzes monoubiquitination of 40S ribosomal proteins RPS2/us5 and RPS3/us3 in response to ribosome stalling (PubMed:34348161, PubMed:34469731). Part of a ribosome quality control that takes place when ribosomes have stalled during translation initiation (iRQC): RNF10 acts by mediating monoubiquitination of RPS2/us5 and RPS3/us3, promoting their degradation by the proteasome (PubMed:34348161, PubMed:34469731). Also

Target Details

	promotes ubiquitination of 40S ribosomal proteins in response to ribosome stalling during translation elongation (PubMed:34348161). The action of RNF10 in iRQC is counteracted by USP10 (PubMed:34469731). May also act as a transcriptional factor involved in the regulation of MAG (Myelin-associated glycoprotein) expression (By similarity). Acts as a regulator of Schwann cell differentiation and myelination (By similarity). {ECO:0000250|UniProtKB:Q5XI59, ECO:0000269|PubMed:34348161, ECO:0000269|PubMed:34469731}.
Molecular Weight:	89.9 kDa
UniProt:	Q8N5U6

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