Datasheet for ABIN7560681

RNF135 Protein (AA 1-417) (His tag)

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Overview

Quantity:	1 mg
Target:	RNF135
Protein Characteristics:	AA 1-417
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RNF135 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Rnf135 Protein expressed in mammalian cells.
Sequence:	MAAVCSGNAV PVWLSEDDLS CIICQGLLDQ PTTLPCGHSF CLRCLHDLWV SKRGAVDGCP WACPICRKGP LTKPKLHKNP LLQDLVDKYL QAAREVEAGS EPEPAPAPRS APQVTVQKST TNVIQELTDM VRQLVDDVKS LQTQRPNLGS GQDNAQGTPP TDSSSEGEHS LDSPKLVTFS ISQKKIQEIL HNLEEIQEKL QGSVPGRAPP RERVQEMTSS LCLLPDQRRP APRKASHLSL WAISPTFDLR TLSYNLEVSN NSRRVTVSRG DLHTYHWSPQ RFSISQVFCS QALSSGQKYW EVDTRNCSHW AIGVASWGMK RDGMLGRTMD SWCIEWRGPG QFSAWAKMKK TDLQSDLPEV VGVWLDLESG ELAFYAVADH ERLLYECEVS SSSPLHPAFW LYGLSPGNYL EIKQLNT **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.

Product Details

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:	RNF135
Alternative Name:	Rnf135 (RNF135 Products)
Background:	E3 ubiquitin-protein ligase RNF135 (EC 2.3.2.27) (RING finger protein 135) (RING-type E3 ubiquitin transferase RNF135),FUNCTION: E2-dependent E3 ubiquitin-protein ligase that functions as a RIGI coreceptor in the sensing of viral RNAs in cell cytoplasm and the activation of the antiviral innate immune response (PubMed:21147464, PubMed:23950712, PubMed:28469175, PubMed:31006531). Together with the UBE2D3, UBE2N and UB2V1 E2 ligases, catalyzes the 'Lys-63'-linked polyubiquitination of RIGI oligomerized on viral RNAs, an essential step in the activation of the RIG-I signaling pathway (PubMed:21147464, PubMed:28469175, PubMed:31006531). Through a ubiquitin-independent parallel mechanism, which consists in bridging RIGI filaments forming on longer viral RNAs, further activates the RIG-I signaling pathway (PubMed:31006531). This second mechanism that synergizes with the ubiquitin-dependent one would thereby allow an RNA length-dependent regulation of the RIG-I signaling pathway (PubMed:31006531). Associated with the E2 ligase UBE2N, also constitutively synthesizes unanchored 'Lys-63'-linked polyubiquitin chains that may also

Target Details

	activate the RIG-I signaling pathway (By similarity). It is not involved in the innate immune response against DNA viruses (PubMed:21147464). {ECO:0000250|UniProtKB:Q8IUD6, ECO:0000269|PubMed:21147464, ECO:0000269|PubMed:23950712, ECO:0000269|PubMed:28469175, ECO:0000269|PubMed:31006531}.
Molecular Weight:	46.5 kDa
UniProt:	Q9CWS1

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