Datasheet for ABIN7555239

RNF169 Protein (AA 1-708) (His tag)

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Overview

Quantity:	1 mg
Target:	RNF169
Protein Characteristics:	AA 1-708
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RNF169 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat RNF169 Protein expressed in mammalien cells.
Sequence:	MAAAGPSTRA SSAAAAAALS RRGRRGRCDE TAAAKTGAPG PASGPSLLVL SPPLLQPPLP PRPEESGCAG CLEPPGEAAA LPCGHSLCRG CAQRAADAAG PGCPRCRARG PGWARRRARD DGQADSEVLG ECARRSQPER CRPRRDGGAA AAGPRPEQEP RAAPAEPDFI FRAPIKLSKP GELREEYESL RKLREEKLQE EKPSEDQIHK LLPEDTETGK RKMDEQKKRD EPLVLKTNLE RCPARLSDSE NEEPSRGQMT QTHRSAFVSK NNSYSLAFLA GKLNSKVERS QSCSDTAQER AKSRVRAVPG NKAKVTTMTP ASNPIIGVLL STQNNRCVSA PDLTIEKRLP FSSLSSLASL HKPERSVSPE SNDSISEELN HFKPIVCSPC TPPKRLPDGR VLSPLIIKST PRNLNRSLQK QTSYEASPRI LKKWEQIFQE RQIKKTLSKA TLTSLAPEMG EELLGSEGIH SSKEKPLVAV NTRLSGGQVL SEYTGPTSAD LDHFPSVSQT KAEQDSDNKS STEIPLETCC SSELKGGGSG TSLEREQFEG LGSTPDAKLD KTCISRAMKI TTVNSVLPQN SVLGGVLKTK QQLKTLNHFD LTNGVLVESL SEEPLPSLRR GRKRHCKTKH LEQNGSLKKL RQTSGEVGLA PTDPVLREME

Product Details

	QKLQQEEEDR QLALQLQRMF DNERRTVSRR KGSVDQYLLR SSNMAGAK **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.**
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien 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, Western Blot
Grade:	custom-made

Target Details

Target:	RNF169
Alternative Name:	RNF169 (RNF169 Products)
Background:	E3 ubiquitin-protein ligase RNF169 (EC 2.3.2.27) (RING finger protein 169) (RING-type E3 ubiquitin transferase RNF169),FUNCTION: Probable E3 ubiquitin-protein ligase that acts as a regulator of double-strand breaks (DSBs) repair following DNA damage. Functions in a non-canonical fashion to harness RNF168-mediated protein recruitment to DSB-containing chromatin, thereby contributing to regulation of DSB repair pathway utilization (PubMed:22492721, PubMed:30773093). Once recruited to DSB repair sites by recognizing and binding ubiquitin catalyzed by RNF168, competes with TP53BP1 and BRCA1 for association with RNF168-modified chromatin, thereby favouring homologous recombination repair (HRR) and single-strand annealing (SSA) instead of non-homologous end joining (NHEJ) mediated by

Target Details

	TP53BP1 (PubMed:30104380, PubMed:30773093). E3 ubiquitin-protein ligase activity is not required for regulation of DSBs repair. {ECO:0000269|PubMed:22492721, ECO:0000269|PubMed:22733822, ECO:0000269|PubMed:22742833, ECO:0000269|PubMed:30104380, ECO:0000269|PubMed:30773093}.
Molecular Weight:	77.2 kDa
UniProt:	Q8NCN4

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. 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

