Datasheet for ABIN7545320

RCHY1 Protein (AA 1-261) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	RCHY1
Protein Characteristics:	AA 1-261
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RCHY1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat RCHY1 Protein expressed in mammalien cells.
Sequence:	MAATAREDGA SGQERGQRGC EHYDRGCLLK APCCDKLYTC RLCHDNNEDH QLDRFKVKEV QCINCEKIQH AQQTCEECST LFGEYYCDIC HLFDKDKKQY HCENCGICRI GPKEDFFHCL KCNLCLAMNL QGRHKCIENV SRQNCPICLE DIHTSRVVAH VLPCGHLLHR TCYEEMLKEG YRCPLCMHSA LDMTRYWRQL DDEVAQTPMP SEYQNMTVDI LCNDCNGRST VQFHILGMKC KICESYNTAQ AGGRRISLDQ Q **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

Product Details

	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:	RCHY1
Alternative Name:	RCHY1 (RCHY1 Products)
Background:	RING finger and CHY zinc finger domain-containing protein 1 (EC 2.3.2.27) (Androgen receptor N-terminal-interacting protein) (CH-rich-interacting match with PLAG1) (E3 ubiquitin-protein ligase Pirh2) (RING finger protein 199) (RING-type E3 ubiquitin transferase RCHY1) (Zinc finger protein 363) (p53-induced RING-H2 protein) (hPirh2),FUNCTION: E3 ubiquitin-protein ligase that mediates ubiquitination of target proteins, including p53/TP53, TP73, HDAC1 and CDKN1B (PubMed:19483087, PubMed:19043414, PubMed:16914734, PubMed:17721809, PubMed:18006823, PubMed:21994467). Mediates ubiquitination and degradation of p53/TP53, preferentially acts on tetrameric p53/TP53 (PubMed:19483087, PubMed:19043414). Catalyzes monoubiquitinates the translesion DNA polymerase POLH (PubMed:21791603). Involved in the ribosome-associated quality control (RQC) pathway, which mediates the extraction of incompletely synthesized nascent chains from stalled ribosomes: RCHY1 acts downstream of NEMF and recognizes CAT tails associated with stalled nascent chains, leading to their ubiquitination and degradation (PubMed:33909987). {ECO:0000269|PubMed:16914734, ECO:0000269|PubMed:17721809, ECO:0000269|PubMed:18006823, ECO:0000269|PubMed:19043414, ECO:0000269|PubMed:19483087, ECO:0000269|PubMed:21791603, ECO:0000269|PubMed:21994467, ECO:0000269|PubMed:33909987}., FUNCTION: [Isoform 4]: Has no E3 ubiquitin-protein ligase

Target Details

	activity. {ECO:0000269|PubMed:20452352}.
Molecular Weight:	30.1 kDa
UniProt:	Q96PM5

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