

Recombinant Full Length Human RCHY1 Protein, His-tagged

Cat. No. RCHY1-233H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RCHY1, 1-261aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-261 a.a.
Description	RCHY1 has ubiquitin ligase activity. It mediates E3-dependent ubiquitination and proteasomal degradation of target proteins, including TP53, HDAC1 and CDKN1B, thus regulating their levels and cell cycle progression. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. Recombinant human RCHY1 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol
Molecular Mass	32.5 kDa (284aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAATARE DGASGQERGQ RGCEHYDRGC LLKAPCCDKL YTCRLCHDNN EDHQLDRFKV KEVQCINCEK IQHAQQTCEE CSTLFGGEYYC DICHLFDKDK KQYHCENCGI CRIGPKEDFF HCLKCNLCLA MNLQGRHKCI ENVSQRQNCPI CLEDIHTSRV VAHVLPCGHL LHRTCYEEML KEGYRCPLCM HSALDMTRYW RQLDDEVAQT PMPSEYQNMT VDILCNDNCNG RSTVQFHILG MKCKICESYN TAQAGGRRIS LDQQ

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>85% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	RCHY1 ring finger and CHY zinc finger domain containing 1, E3 ubiquitin protein ligase [Homo sapiens]
Official Symbol	RCHY1
Synonyms	RCHY1; ring finger and CHY zinc finger domain containing 1, E3 ubiquitin protein ligase; ring finger and CHY zinc finger domain containing 1 , zinc finger protein 363 , ZNF363; RING finger and CHY zinc finger domain-containing protein 1; androgen receptor N terminal interacting protein; ARNIP; CHIMP; DKFZp586C1620; p53 induced protein with a RING H2 domain; PIRH2; PRO1996; RNF199; hPirh2; RING finger protein 199; zinc finger protein 363; p53-induced RING-H2 protein; E3 ubiquitin-protein ligase Pirh2; CH-rich interacting match with PLAG1; p53-induced protein with a RING-H2 domain; androgen-receptor N-terminal-interacting protein; PIRH2E; PIRH2F; ZNF363; hARNIP;
Gene ID	25898
mRNA Refseq	NM_001008925
Protein Refseq	NP_001008925
MIM	607680

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UniProt ID	Q96PM5
Chromosome Location	4q21.1-q21.3
Pathway	Adaptive Immune System, organism-specific biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; Antigen processing: Ubiquitination and Proteasome degradation, organism-specific biosystem; Class I MHC mediated antigen processing & presentation, organism-specific biosystem; Direct p53 effectors, organism-specific biosystem;
Function	ligase activity; metal ion binding; p53 binding; protein binding; protein homodimerization activity; receptor binding; ubiquitin-protein ligase activity; zinc ion binding; zinc ion binding;

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