

Recombinant Full Length Human RCHY1 Protein, His-tagged

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

SPECIFICATION

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| 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 | <p>MGSSHHHHHH SSGLVPRGSH MGSMAATARE DGASGQERGQ RGCEHYDRGC LLKAPCCDKL YTCRLCHDNN EDHQLDRFKV KEVQCINCEK IQHAQQTCEE CSTLFGGEYYC DICHLFDKDK KQYHCENCGI CRIGPKEDFF HCLKCNLCLA MNLQGRHKCI ENVSRQNCPI CLEDIHTSRV VAHVLPCGHL LHRTCYEEML KEGYRCPLCM HSALDMTRYW RQLDDEVAQT PMPSEYQNMT VDILCNDNCNG RSTVQFHILG MKCKICESYN TAQAGGRRIS LDQQ</p> |

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| 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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