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**Product Data Sheet**


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Product Name: RCHY1 Human  
 Cat. No.: GP24358  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	ARNIP; CHIMP; hARNIP; PIRH2; PIRH2E; PIRH2F; PRO1996; RNF199; ZNF363; RING finger and CHY zinc finger domain-containing protein 1; Androgen receptor N-terminal-interacting protein; CH-rich-interacting match with PLAG1; E3 ubiquitin-protein ligase Pirh2; RING finger protein 199; Zinc finger protein 363; p53-induced RING-H2 protein; hPirh2; RCHY1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMAATARE DGASGQERGQ RGCEHYDRGC LLKAPCCDKL YTCRLCHDNN EDHQLDRFKV KEVQCINCEK IQHAQQTCEE CSTLFGYYC DICHLFDKDK KQYHCENCGI CRIGPKEDFF HCLKCNLCLA MNLQGRHKCI ENVSRQNCPI CLEDIHTSRV VAHVLP CGHL LHRTCYEEML KEGYRCPLCM HSALDMTRYW RQLDDEVAQT PMPSEYQNMT VDILCND CNG RSTVQFHILG MKCKICESYN TAQAGGRRIS LDQQ.		
Formulation	The RCHY1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M UREA and 10% glycerol.		

**Introduction**

Ring Finger & CHY Zinc Finger Domain Containing 1 (RCHY1) acts as an ubiquitin ligase. RCHY1 mediates E3-dependent ubiquitination and proteasomal degradation of target proteins which among them are TP53, HDAC1 and CDKN1B, consequently regulating their levels and cell cycle progression. RCHY1 is also increases AR transcription factor activity.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1%

**Caution: Product has not been fully validated for medical applications. For research use only.**

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HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

RCHY1 Human Recombinant produced in E. coli is a single polypeptide chain containing 284 amino acids (1-261) and having a molecular mass of 32.5kDa. RCHY1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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