

Recombinant Human RING1

Cat. No. RING1-29982TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human RING1, isoform 2 with proprietary tag, 64.47kDa.
Species	Human
Source	Wheat Germ
ProteinLength	377 amino acids
Description	This gene belongs to the RING finger family, members of which encode proteins characterized by a RING domain, a zinc-binding motif related to the zinc finger domain. The gene product can bind DNA and can act as a transcriptional repressor. It is associated with the multimeric polycomb group protein complex. The gene product interacts with the polycomb group proteins BMI1, EDR1, and CBX4, and colocalizes with these proteins in large nuclear domains. It interacts with the CBX4 protein via its glycine-rich C-terminal domain. The gene maps to the HLA class II region, where it is contiguous with the RING finger genes FABGL and HKE4.
Molecular Weight	67.470kDa inclusive of tags
Biological activity	useful for Antibody Production and Protein Array
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00Constituents:0.31% Glutathione, 0.79% Tris HClNote: Glutathione is reduced
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MDGTEIAVSPRSLHSELMCPICLDMLKNTMTTKECLHRFCSDCIVTALRSGNKECPT CRKKLVSKRSLRPDPNFDALISKIYPSREEYEAHQDRVLI RLSRLHNQQALSSSIEEG LRMQAMHRAQRVRRPIPGSDQTTTMSGGEGEPGEGEGDGEDVSSDSAPDSAPGP APKRPRGGGAGGSSVGTGGGGTG GVG GGGAGSEDSGDRGGTLGGGT LGPPSPPG APSPPEPGGEIELVFRPHPLLVEKGEYCQTRYVKTTGNATVDHLSKYLALRIALERR QQQEAGEPGGPGGGASDTGGPDGCGGEGGGAGGGDGPEEPALPSLEGVSEKQY TIYIAPGGGAFTTLNGSLTLELVNEKFWKVS RPLELCYAPTKDPK
Sequence Similarities	Contains 1 RING-type zinc finger.

GENE INFORMATION

Gene Name	RING1 ring finger protein 1 [Homo sapiens]
Official Symbol	RING1
Synonyms	RING1; ring finger protein 1; E3 ubiquitin-protein ligase RING1; RNF1;
Gene ID	6015
mRNA Refseq	NM_002931
Protein Refseq	NP_002922
MIM	602045

Uniprot ID	Q06587
Chromosome Location	6p21.3
Pathway	Delta-Notch Signaling Pathway, organism-specific biosystem;
Function	chromatin binding; ligase activity; metal ion binding; protein binding; ubiquitin-protein ligase activity;

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