

Cat. No. RING1-434HF Lot. No. (See product label)

Product Overview	Recombinant full length Human RING1, isoform 2 with proprietary tag, 64.47 kDa.
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Species	Human
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Source	In Vitro Cell Free System
1. Protein synthesis	1. Initiation : Formation of initiation complex involving ribosomes, mRNA, and initiator tRNA.
2. Elongation : Sequential addition of amino acids to the growing polypeptide chain.	2. Elongation : Sequential addition of amino acids to the growing polypeptide chain.
3. Termination : Release of the completed polypeptide chain upon encountering a stop codon.	3. Termination : Release of the completed polypeptide chain upon encountering a stop codon.
4. Post-translational modifications : Folding, cleavage, and modification of the protein.	4. Post-translational modifications : Folding, cleavage, and modification of the protein.

ProteinLength	377 amino acids
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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.
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Form	Liquid
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Molecular Mass	67.470kDa inclusive of tags
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AA Sequence	MDGTEIAVSPRSLHSELMCPICLDMLKNTMTTKECLHRFCSDCIVTALRSGNKECPT CRKKLVSKRSLRPDPNFDALISKIYPSREEYEAHQDRVLIRLSRLHNQQALSSSIEEG LRMQAMHRAQRVRRPIPGSDQTTTMSGGEGEGPGEGEDVSSDSAPDSAPGP APKRPRGGGAGGSSVGTGGGGTGGVGGGAGSEDSGDRGGTLGGGTLGPPSPPG
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APSPPEPGGEIELVFRPHPLLVEKGEYCQTRYVKTTGNATVDHLSKYLALRIALERR
 QQQEAGEPGGGPGGGASDTGGPDGCGGEGGGAGGGDGPEEPALPSLEGVSEKQY
 TIYIAPGGGAFTTLNGSLTLELVNEKFWKVSRLPLELCYAPTKDPK

Purity Proprietary Purification

Storage Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

Storage Buffer pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

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

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