

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. <i>Escherichia coli</i> (E. coli)	1. <i>Escherichia coli</i> (E. coli)
2. <i>Staphylococcus aureus</i> (S. aureus)	2. <i>Staphylococcus aureus</i> (S. aureus)
3. <i>Streptococcus pneumoniae</i> (S. pneumoniae)	3. <i>Streptococcus pneumoniae</i> (S. pneumoniae)
4. <i>Salmonella typhi</i> (S. typhi)	4. <i>Salmonella typhi</i> (S. typhi)
5. <i>Shigella flexneri</i> (S. flexneri)	5. <i>Shigella flexneri</i> (S. flexneri)
6. <i>Yersinia enterocolitica</i> (Y. enterocolitica)	6. <i>Yersinia enterocolitica</i> (Y. enterocolitica)
7. <i>Legionella pneumophila</i> (L. pneumophila)	7. <i>Legionella pneumophila</i> (L. pneumophila)
8. <i>Campylobacter jejuni</i> (C. jejuni)	8. <i>Campylobacter jejuni</i> (C. jejuni)
9. <i>Haemophilus influenzae</i> (H. influenzae)	9. <i>Haemophilus influenzae</i> (H. influenzae)
10. <i>Neisseria meningitidis</i> (N. meningitidis)	10. <i>Neisseria meningitidis</i> (N. meningitidis)
11. <i>Brucella abortus</i> (B. abortus)	11. <i>Brucella abortus</i> (B. abortus)
12. <i>Mycobacterium tuberculosis</i> (M. tuberculosis)	12. <i>Mycobacterium tuberculosis</i> (M. tuberculosis)
13. <i>Coccidioides immitis</i> (C. immitis)	13. <i>Coccidioides immitis</i> (C. immitis)
14. <i>Histoplasma capsulatum</i> (H. capsulatum)	14. <i>Histoplasma capsulatum</i> (H. capsulatum)
15. <i>Blastomyces dermatitidis</i> (B. dermatitidis)	15. <i>Blastomyces dermatitidis</i> (B. dermatitidis)
16. <i>Cryptosporidium parvum</i> (C. parvum)	16. <i>Cryptosporidium parvum</i> (C. parvum)
17. <i>Toxoplasma gondii</i> (T. gondii)	17. <i>Toxoplasma gondii</i> (T. gondii)
18. <i>Leishmania donovani</i> (L. donovani)	18. <i>Leishmania donovani</i> (L. donovani)
19. <i>Trypanosoma brucei</i> (T. brucei)	19. <i>Trypanosoma brucei</i> (T. brucei)
20. <i>Plasmodium falciparum</i> (P. falciparum)	20. <i>Plasmodium falciparum</i> (P. falciparum)

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.

Form	Liquid
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Molecular Mass	67.470kDa inclusive of tags
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AA Sequence

MDGTEIAVSPRSLHSELMCPICLDMLKNTMTTKECLHRFCSDCIVTALRSGNKECPT
CRKKLVSKRSLRPDPNFDALISKIYPSREEYEAHQDRVLIRLSRLHNQQALSSSIEEG
LRMQAMHRAQVRVRPIPGSDQTTTMSGGEGEPGEGEGDGEDVSSDSAPDSAPGP
APKRPRGGGAGGSSVGTGGGGTGGVGGGAGSEDSGDRGGTTLGGGTLPSPSPPG

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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