

Recombinant Human RING1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RING1-3363H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RING1 MS Standard C13 and N15-labeled recombinant protein (NP_002922) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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 Mass	42.4 kDa
AA Sequence	MTTPANAQNASKTWELSLYELHRTPEAIMDGTETIAVSPRSLHSELMCPICLDMLKN TMTTKECLHRFCSDCIVTALRSGNKECPTCRKKLVSKRSLRPDPNFDALISKIYPSRE EYEAHQDRVLIRLSRLHNQQALSSSIEEGLRMQAMHRAQVRVRPIPGSDQTTTMSG GEGEPGEGEGDGEDVSSDSAPDSAPGPAPKRPRGGGAGGSSVGTGGGGTGGVG GGAGSEDSGDRGGTLGGGTLGPPSPPGAPSPPEPGGEIELVFRPHLLVEKGEYC

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QTRYVKTTGNATVDHLSKYLALRIALERRQQQEAGEPGGPGGGASDTGGPDGCGG
EGGGAGGGDGPPEEPALPSLEGVSEKQYTIYIAPGGGAFTTLNGSLTLELVNEKFWK
VSRPLELCYAPTKDPKTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name RING1 ring finger protein 1 [Homo sapiens (human)]

Official Symbol RING1

Synonyms RING1; ring finger protein 1; E3 ubiquitin-protein ligase RING1; RNF1; polycomb complex protein RING1; really interesting new gene 1 protein; RING1A;

Gene ID 6015

mRNA Refseq NM_002931

Protein Refseq NP_002922

MIM 602045

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UniProt ID

Q06587

SDS-PAGE

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