

Recombinant Human ring finger protein 34, E3 ubiquitin protein ligase, His-tagged

Cat. No. RNF34-336H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RNF34, 1-373aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-373 a.a.
Description	RNF34 contains a RINF finger, a motif known to be involved in protein-protein and protein-DNA interactions. This protein interacts with DNAJA3/hTid-1, which is a DnaJ protein reported to function as a modulator of apoptosis. Overexpression of this gene in Hela cells was shown to confer the resistance to TNF-alpha induced apoptosis, suggesting an anti-apoptotic function of this protein. This protein can be cleaved by caspase-3 during the induction of apoptosis. This protein also targets p53 and phospho-p53 for degradation. Alternatively splicing results in multiple transcript variants encoding distinct isoforms. Recombinant human RNF34 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl, 1mM DTT
Molecular Mass	44.2 kDa(396aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH GSMRKAGAT SMWASCCGLL NEVMGTGAVR GQQSAFAGAT GPFRTNPPE FSTYPPAATE GPNIVCKACG LSFSVFRKKH

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VCCDCKKDFC SVCSVLQENL RRCSTCHLLQ ETAFQRPQLM RLKVKDLRQY
 LILRNIPIDT CREKEDLVDL VLCHHGLGSE DDMDTSSLNS SRSQTSSFFT
 RSFFSNYTAP SATMSSFQGE LMDGDQTSRS GVPAQVQSEI TSANTEDDDD
 DDEDDDDDEE ENAEDRNPGL SKERVASLS DLSSLDDVEG MSVRQLKEIL
 ARNFVNYS GC CEKWELVEKV NRLYKENEEN QKSYGERLQL QDEEDDSLCL
 ICMDAVIDCVLLECGHMTVC TKCGKRMSEC PICRQYVVRA VHVFS

Purity >90% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 1mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name RNF34 ring finger protein 34, E3 ubiquitin protein ligase [Homo sapiens]

Official Symbol RNF34

Synonyms RNF34; ring finger protein 34, E3 ubiquitin protein ligase; ring finger protein 34; E3 ubiquitin-protein ligase RNF34; FLJ21786; RIF; RIFF; caspase regulator CARP1; RING finger protein RIFF; FYVE-RING finger protein MOMO; caspases-8 and -10-associated RING finger protein 1; human RING finger homologous to inhibitor of apoptosis protein; RFI; hRFI; CARP1; CARP-1;

Gene ID 80196

mRNA Refseq NM_001256858

Protein Refseq NP_001243787

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MIM	608299
UniProt ID	Q969K3
Chromosome Location	12q24.31
Pathway	Adaptive Immune System, organism-specific biosystem; Antigen processing: Ubiquitination and Proteasome degradation, organism-specific biosystem; Class I MHC mediated antigen processing & presentation, organism-specific biosystem; Immune System, organism-specific biosystem;
Function	ligase activity; metal ion binding; zinc ion binding;

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