

Recombinant Human UHRF1

Cat. No. UHRF1-31665TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to aa 694-793 of human UHRF1 with a proprietary tag; 36.63kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	100 amino acids
Description	This gene encodes a member of a subfamily of RING-finger type E3 ubiquitin ligases. The protein binds to specific DNA sequences, and recruits a histone deacetylase to regulate gene expression. Its expression peaks at late G1 phase and continues during G2 and M phases of the cell cycle. It plays a major role in the G1/S transition by regulating topoisomerase IIalpha and retinoblastoma gene expression, and functions in the p53-dependent DNA damage checkpoint. Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Weight	36.630kDa inclusive of tags
Tissue specificity	Expressed in thymus, bone marrow, testis, lung and heart. Overexpressed in breast cancer.
Biological activity	This product is useful for Antibody Production and Protein Array
Form	Liquid

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Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.31% GlutathioneNote: Glutathione is reduced.
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	WNEVLASLKDRPASGSPFQLFLSKVEETFQCICCCQLVFRPITTVVCQHNVCKDCLDR SFRAQVFSCPACRYDLGRSYAMQVNQPLQTVLNQLFPGYGNGR
Sequence Similarities	Contains 1 PHD-type zinc finger.Contains 2 RING-type zinc fingers.Contains 1 ubiquitin-like domain.Contains 1 YDG domain.

GENE INFORMATION

Gene Name	UHRF1 ubiquitin-like with PHD and ring finger domains 1 [Homo sapiens]
Official Symbol	UHRF1
Synonyms	UHRF1; ubiquitin-like with PHD and ring finger domains 1; E3 ubiquitin-protein ligase UHRF1; FLJ21925; ICBP90; Np95; RNF106;
Gene ID	29128
mRNA Refseq	NM_001048201
Protein Refseq	NP_001041666
MIM	607990

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Uniprot ID	Q96T88
Chromosome Location	19p13.3
Function	DNA binding; core promoter proximal region sequence-specific DNA binding; ligase activity; metal ion binding; methyl-CpG binding;

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