

Recombinant Full Length Human UHRF1 Protein, C-Flag-tagged

Cat. No. UHRF1-1289HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human UHRF1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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. It is regarded as a hub protein for the integration of epigenetic information. This gene is up-regulated in various cancers, and it is therefore considered to be a therapeutic target. Multiple transcript variants encoding different isoforms have been found for this gene. A related pseudogene exists on chromosome 12.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	90.9 kDa
AA Sequence	MGVFAVPPLSSDTMWIQVRTMDGRQTHTVDSLRLTKVEELRRKIQELFHVEPGLQ RLFYRGKQMEDGHT LFDYEVRLNDTIQLLVRQSLVLPHSTKERDSELSDTDSGCCCL

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

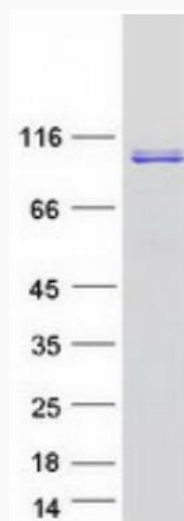
GQSESDKSSTHGEAAAETDSRPADEDMW DETELGLYKVNEYVDARDTNMGAWFE
 AQVVRVTRKAPSRDEPCSSSTRPALEEDVIYHVKYDDYPENGVV QMNSRDVRARA
 RTIIKWQDLEVGQVVMLNYPDNPKERGFWDYDAEISRKRETRTARELYANVVLGDD
 SLN DCRIIFVDEVFKIERPGE GSPMVDNPMRRKSGPSCCHKCKDDVNRLCRVCACHL
 CGGRQDPDKQLMCDECD MAFHIYCLDPPLSSVPSEDEWYCPECRNDASEVVLG
 ERLRESKKKAKMASATSSSQRDWGKGMACVGRT KECTIVPSNHYGPIPIVGT
 MWRFRVQVSESGVHRPHVAGIHGRSNDGAYSLVLAGGYEDDGDHGNFFT YTGSGG
 RDLSGNKRTAEQSCDQKLTNTNRALALNCFAPINDQEGAEAKDWRSGKPVRVVRN
 VKGGKNSKY APAEGNRYDGIYKVVKYWPEKGKSGFLVWRYLLRRDDDEPGPWT
 KEGKDRIKKLGLTMQYPEGYLEALAN REREKENS KREEEEQQEGGFASPRTGK
 GKWKRKSAGGGPSRAGSPRRTSKKTKVEPYSLTAQQSSLIRE KSNAKLWNEVLAS
 LKDRPASGSPFQLFLSKVEETFQCICCCQLVFRPITTVQCQHNVCCKDCLDRS
 FRAQVSCPACRYDLGRSYAMQVNQPLQTVLNQLFPGYGNGRTRTRPLEQKLISEE
 DLAAND ILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Transcription Factors
Full Length	Full L.



GENE INFORMATION

Gene Name	UHRF1 ubiquitin like with PHD and ring finger domains 1 [Homo sapiens (human)]
Official Symbol	UHRF1
Synonyms	Np95; hNP95; ICBP90; RNF106; TDRD22; hUHRF1; huNp95
Gene ID	29128
mRNA Refseq	NM_013282.5
Protein Refseq	NP_037414.3
MIM	607990
UniProt ID	Q96T88



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Coomassie blue staining of purified UHRF1 protein.

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