

Product datasheet for PH314251

UHRF1 (NM_013282) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	UHRF1 MS Standard C13 and N15-labeled recombinant protein (NP_037414)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC214251
Predicted MW:	90.9 kDa
Protein Sequence:	>RC214251 representing NM_013282 Red=Cloning site Green=Tags(s)

MGVFAVPPLSSDTMWIQVRTMDGRQTHTVDSLRLTKVEELRRKIQELFHVEPGLQRLFYRGKQMEDGHT
LFDYEVRLNDTIQLLVRQSLVLPSTKERDSELSDTDSGCCLGQSESDKSSTHGEAAAETDSRPAEDMW
DETELGLYKVNEYVDARDTNMGAWFEAQVVRVTRKAPSRDEPCSSTSRPALEEDVIYHVKYDDYPENGVV
QMNSRDVRRARARTIIKWQDLEVGQVVMLNYPDNPKERGFWDYDAEISRKRETRTARELYANVVLGDDSLN
DCRIIFVDEVFKIERPGEQSPMVDNPMRRKSGPCKHCKDDVNRLCRVCACHLCGGRQDPDKQLMCDCECD
MAFHICYLDPPLSSVPSSEDEWYCEPCRNDASEVVLAGERLRESKKKAKMASATSSSQRDWKGGMACVGR
TECTIVPSNHYGPIPGIPVGTMRFRVQVSESGVHRPHVAGIHGRSNDGAYSLLAGGYEDVDHGNFFT
YTGSGGRDLSGNKRTAEQSCDQKLTNTNRALALNCFAPINDQEGAEAKDWRSGKPVVRVNVKGGKNSKY
APAEGNRYDGIYKVVKYWPEKKGSGFLVWRYLLRRDDDEPGPWTKEGKDRIKKLGTMQYPEGYLEALAN
REREKENSKEEEEEQQEGGFASPRTGKGWKRKSAGGGPSRAGSPRRTSKKTKVEPYSLTAQQSSLIRED
KSNAKLWNEVLASLKDRPASGSPFQLFLSKVEETFQCICCCQELVFRPITTVQCQHNVCDCDLDRSFRAQVF
SCPACRYDLGRSYAMQVNQPLQTVLNQLFPGYGNGR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_037414



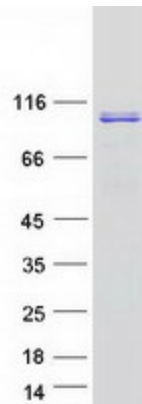
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RefSeq Size:	4086
RefSeq ORF:	2418
Synonyms:	hNP95; hUHRF1; huNp95; ICBP90; Np95; RNF106; TDRD22
Locus ID:	29128
UniProt ID:	Q96T88 , A0A087WVR3
Cytogenetics:	19p13.3

Summary: 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. [provided by RefSeq, Feb 2014]

Protein Families: Druggable Genome, Transcription Factors

Product images:



Coomassie blue staining of purified UHRF1 protein (Cat# [TP314251]). The protein was produced from HEK293T cells transfected with UHRF1 cDNA clone (Cat# [RC214251]) using MegaTran 2.0 (Cat# [TT210002]).