

Recombinant Full Length Human USP48 Protein, GST-tagged

Cat. No. USP48-6794HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human USP48 full-length ORF (NP_115612.4, 1 a.a. - 1035 a.a.) recombinant protein with GST-tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	1035 amino acids
Description	This gene encodes a protein containing domains that associate it with the peptidase family C19, also known as family 2 of ubiquitin carboxyl-terminal hydrolases. Family members function as deubiquitinating enzymes, recognizing and hydrolyzing the peptide bond at the C-terminal glycine of ubiquitin. Enzymes in peptidase family C19 are involved in the processing of poly-ubiquitin precursors as well as that of ubiquitinated proteins. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.
Molecular Mass	145.4 kDa
AA Sequence	MAPRLQLEKAAWRWAETVRPEEVSQEHIETAYRIWLEPCIRGVCRRNCKGNPNCLV GIGEHIWLGEIDENSFHNIDDPNCERRKKNNSFVGLTNLGATCYVNTFLQVWFLNLEL RQALYLC PSTCSDYMLGDGIQEEKDYEPQTICEHLQYLFALLQNSNRRYIDPSGFVK ALGLDTGQQQDAQEFSKLFMSLLEDTL SKQKNPDVRNIVQQQFCGEYAYVTVCNQ CGRESKLLSKFYELELNIQGHKQLTDCISEFLKEEKLEGDNRYFCENCQSKQNATRKI RLLSLPCTLNLQLMRFVFD RQTGHKKKLNTYIGFSEILDMEPYVEHKGGSYVYELSA

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VLIHRGVSAYS GHYIAHV KDPQSGEWYKF NDEDIEKMEGKKLQLGIEEDLAEPSKSQ
 TRKPKCGKGTHCSR NAYMLVYRLQTQEKPN TTVQVPAFLQELVDRD NSKFEEWCIE
 MAEMRKQSV DKGKAKHEEVKELYQRLPAGAEPYEFVSLEWLQKWLD ESTPTKPID
 NHACLC SHDKLHPDKISIMKRIS EYAADIFYSR YGGGPRLTVKALCKE CVVERCRLR
 LKNQLNEDYKTVNNLLKAAVKGSDGFVWGKSSLSWRQLALEQLDEQDGD AEQSN
 GKMNGSTLNKDESKEERKEEEELNFNEDILCPHGELCISENERRLVSKEAWSKLQQ
 YFPKAPEFPSYKECCSQCKILERE GEENEALHKMIANEQKTS LPNLFQDKNRPCLSN
 WPEDTDVLYIVSQFFVEEWRKFVRKPTRCSPVSSVGNSALLCPHGGLMFTFASMTK
 EDSKLIALIWPSEWQMIQKLFVVDHVIKITRIE VGDVNPSETQYISEPKLCPECREGLL
 CQQQRDLREYTQAT IYVHKVVDNKKVMKDSAPELNVSSSETEEDKEEAKPDGEKDP
 DFNQSNGGTRQKISHQNYIAYQKQVIRRS MRHRKVRGEKALLVSANQTLKELKIQI
 MHAFSVAPFDQNL SIDGKILSDDCATLGT LGVIPESVILLKADEPIADYAAMD DVMQV
 CMPEEGFKGTGLLGH

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	USP48 ubiquitin specific peptidase 48 [Homo sapiens (human)]
Official Symbol	USP48

Synonyms	USP48; ubiquitin specific peptidase 48; USP31; RAP1GA1; ubiquitin carboxyl-terminal hydrolase 48; deubiquitinating enzyme 48; ubiquitin specific protease 31; ubiquitin thioesterase 48; ubiquitin thiolesterase 48; ubiquitin-specific-processing protease 48; EC 3.4.19.12
Gene ID	84196
mRNA Refseq	NM_032236
Protein Refseq	NP_115612
MIM	617445
UniProt ID	Q86UV5

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