

Recombinant Human USP48 Protein, GST-tagged

Cat. No. USP48-103H **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	Wheat Germ
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 GIGEHIWLGEIDENSFHNIDDPNCERRKKNSEFVGLTNLGATCYVNTFLQVWFLNLEL RQALYLCPSTCSDYMLGDGIQEEKDYEPQTICEHLQYLFALLQNSNRRYIDPSGFVK ALGLDTGQQQDAQEFSLFMSLLEDTLQKQKQNPVNRNIVQQQFCGEYAYVTVCNQ CGRESKLLSKFYELNLNIQGHKQLTDCISEFLKEEKLEGDNRYFCENCQSKQNATRKI RLLSLPCTLNLQLMRFVFDRTGHKKKLNTYIGFSEILDMEPYVEHKGGSYVYELSA VLIHRGVSAYS GHYIAHV KDPQSGEWYKFNDEDIEKMEGKKLQLGIEEDLAEPSKSQ

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TRKPKCGKGTHCSRNAYMLVYRLQTQEKPNNTTVQVPAFLQELVDRDNSKFEEWCIE
 MAEMRKQSVDKGKAKHEEVKELYQRLPAGAEPYEFVSLEWLQKWLDSTPTKPID
 NHACLCSHDKLHPDKISIMKRISEYAADIFYSTRYGGGPRLTVKALCKECCVVERCRILR
 LKNQLNEDYKTVNNLLKAAVKGSDGFVWGKSSLSWRQLALEQLDEQDGDAEQSN
 GKMNGSTLNKDESKEERKEEEELNFNEDILCPHGELCISENERRLSKEAWSKLQQ
 YFPKAPEFPSYKECCSQCKILEREGEENEALHKMIANEQKTSLPNLFQDKNRPCLSN
 WPEDTDVLYIVSQFFVEEWRKFVRKPTRCSPVSSVGNSALLCPHGGLMFTFASMTK
 EDSKLIALIWPSEWQMIQKLFVVDHVIKITRIEVDVNPSETQYISEPKLCPECREGLL
 CQQQRDLREYTQATYVHKVVDNKKVMKDSAPELNVSSSETEEDKEEAKPDGEKDP
 DFNQSNGGTRQKISHQNYIAYQKQVIRRSMRHRKVRGEKALLVSANQTLKELKIQI
 MHAFSVAPFDQNLSIDGKILSDDCATLGTGLVIPESVILLKADEPIADYAAMDVDMQV
 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-

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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

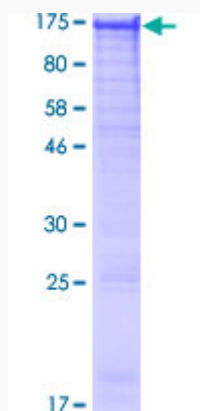
mRNA Refseq NM_032236

Protein Refseq NP_115612

MIM 617445

UniProt ID Q86UV5

**Quality Control
Testing:**



12.5% SDS-PAGE Stained with Coomassie Blue.

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