# Recombinant Full Length Human USP48 Protein, GST-tagged

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

## SPECIFICATION

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| **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 GIGEHIWLGEIDENSFHNIDDPNCERRKKNSFVGLTNLGATCYVNTFLQVWFLNLEL RQALYLCPSTCSDYMLGDGIQEEKDYEPQTICEHLQYLFALLQNSNRRYIDPSGFVK ALGLDTGQQQDAQEFSKLFMSLLEDTLSKQKNPDVRNIVQQQFCGEYAYVTVCNQ CGRESKLLSKFYELELNIQGHKQLTDCISEFLKEEKLEGDNRYFCENCQSKQNATRKI RLLSLPCTLNLQLMRFVFDRQTGHKKKLNTYIGFSEILDMEPYVEHKGGSYVYELSA |

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| | VLIHRGVSAYSGHYIAHVKDPQSGEWYKFNDEDIEKMEGKKLQLGIEEDLAEPSKSQ TRKPKCGKGTHCSRNAYMLVYRLQTQEKPNTTVQVPAFLQELVDRDNSKFEEWCIE MAEMRKQSVDKGKAKHEEVKELYQRLPAGAEPYEFVSLEWLQKWLDESTPTKPID NHACLCSHDKLHPDKISIMKRISEYAADIFYSRYGGGPRLTVKALCKECVVERCRILR LKNQLNEDYKTVNNLLKAAVKGSDGFWVGKSSLRSWRQLALEQLDEQDGDAEQSN GKMNGSTLNKDESKEERKEEEELNFNEDILCPHGELCISENERRLVSKEAWSKLQQ YFPKAPEFPSYKECCSQCKILEREGEENEALHKMIANEQKTSLPNLFQDKNRPCLSN WPEDTDVLYIVSQFFVEEWRKFVRKPTRCSPVSSVGNSALLCPHGGLMFTFASMTK EDSKLIALIWPSEWQMIQKLFVVDHVIKITRIEVGDVNPSETQYISEPKLCPECREGLL CQQQRDLREYTQATIYVHKVVDNKKVMKDSAPELNVSSSETEEDKEEAKPDGEKDP DFNQSNGGTKRQKISHQNYIAYQKQVIRRSMRHRKVRGEKALLVSANQTLKELKIQI MHAFSVAPFDQNLSIDGKILSDDCATLGTLGVIPESVILLKADEPIADYAAMDDVMQV CMPEEGFKGTGLLGH |
| **Applications** | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>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

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

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| **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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