Recombinant Human USP48, His-tagged

Cat. No. USP48-29615TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 789-1035 of Human USP48 with N terminal His tag; Predicted MWt 29 kDa.
Species	Human
Source	E.coli
ProteinLength	789-1035 a.a.
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.
Conjugation	HIS
Tissue specificity	Widely expressed.
Form	Lyophilised:Reconstitute with 137 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	TKEDSKLIALIWPSEWQMIQKLFVVDHVIKITRIEVGDVN PSETQYISEPKLCPECREG LLCQQQRDLREYTQATIYV HKVVDNKKVMKDSAPELNVSSSETEEDKEEAKPDGEK D PDFNQSNGGTKRQKISHQNYIAYQKQVIRRSMRHRKVR GEKALLVSANQTLKEL KIQIMHAFSVAPFDQNLSIDGKIL SDDCATLGTLGVIPESVILLKADEPIADYAAMDDV MQV CMPEEGFKGTGLLGH
Sequence Similarities	Belongs to the peptidase C19 family.Contains 3 DUSP domains.Contains 1 ubiquitin-like domain.

GENE INFORMATION

Gene Name	USP48 ubiquitin specific peptidase 48 [Homo sapiens]
Official Symbol	USP48
Synonyms	USP48; ubiquitin specific peptidase 48; ubiquitin specific protease 31 , ubiquitin specific protease 48 , USP31; ubiquitin carboxyl-terminal hydrolase 48; FLJ11328; FLJ20103; FLJ23054; FLJ23277; MGC14879;
Gene ID	84196
mRNA Refseq	NM_001032730
Protein Refseq	NP_001027902
Uniprot ID	Q86UV5
Chromosome Location	1p36.12

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Function	cysteine-type peptidase activity; peptidase activity; ubiquitin thiolesterase activity;

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