

Product datasheet for **MC223374**

Usp48 (NM_130879) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Usp48 (NM_130879) Mouse Untagged Clone
Tag: Tag Free
Symbol: Usp48
Synonyms: 2810449C13Rik; AI115503; BC021769; D330022K21Rik; Usp31
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223374 representing NM_130879
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTCCGGCTGCAGCTGGAGAAGGCGGCCTGGCGCTGGCGGAGACGGTGC GGCCCGAGGAGGTGT
 CGCAGGAGCACATCGAGACCGCCTACCGCATCTGGCTGGAGCCTTGTATCCGAGGCGTGTGCAGAAGAAA
 CTGCAGAGGAAACCCGAATTGCTTGGTTGGCATTGGCGAGCACATTTGGTTAGGAGAGATAGATGAGAAT
 AGTTTTTATAGCATTGATGATCCCAACTGTGAGAGGAGGAAAAAGAATTCCTTTGTGGGCTTGACTAACC
 TGGGAGCCACCTGCTACGTCAACACCTTCTCCAGGTGTGGTTCCCTCAACTTGGAGCTTCGGCAGGCGCT
 GTACTTATGCCCCAGCACCTGCAGTGATTACACGAAGGGAGATGGGATCCATGGGGGAAAAGATTATGAG
 CCTCAGACAATTTGTGAGCATCTTCAGTACTTGTGGCTTTGTTGCAAAAACAGTAACAGACGATACATCG
 ATCCTTCAGGATTTGTTAAAGCCTTGGGCTTAGATACTGGGCAGCAGCAGGATGCACAAGAGTTTTCCAA
 GCTCTTTATGTCGCTGTTGGAAGACACTTTGTCTAAACAGAAGAACC GGATGTTCGGAATGTTGTGCAG
 CAGCAGTTCTGTGGAGAATATGCCTATGTGACTGTGCAATCAGTGTGGCCGAGAGTCTAAGCTTGAT
 CGAAGTTCTATGAACTGGAGTTAAACATCCAAGGCCACAAGCAGTTAACAGACTGCATCTCAGAGTTCT
 GAAGGAAGAACGATTAGAAGGAGACAATCGATACTTCTGTGAAAACACTGTCAGAGCAAAACAGAATGCTACA
 CGGAAAATCCGGCTTCTGAGCCTCCCTGCACTCTGAACTTGCAGCTGATGCGTTTTCGTGTTTGACAGGC
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 GGAGCACAAAGGCGGGTCTTCTGTGTACGAGCTCAGTGGCGTCTCATCCACAGAGGAGT CAGCGCCTAT
 TCTGGCCACTACATCGCACACGTGAAAGACCCTCAGTCTGGAGAATGGTACAAGTTCAATGACGAGGACA
 TAGAGAAGATGGAGGGCAAGAAGCTACAGCTAGGGATTGAGGAAGATCTAGAACCTTCTAAATCCCAGAC
 CCGTAAACCAAGTGTGGCAAAGGAACTCACTGCTCCCGAAATGCATACATGCTGGTTTATAGGCTGCAA
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 CCAAATTCGAGGAGTGGTGTGTAGAAATGGCCGAGATGCCAAGCAGAGTGTGGACAAAGGCAAAGCGAA
 GCACGAGGAGGTGAAGGAGCTGTACAAAGGTTGCTGCTGGAGCTGAGCCCTATGAGTTTGTCTCTCTT
 GAATGGCTGCAGAAGTGGTTGGACGAGTCAACCCCAACCCGATTGATAAATGCTTGCCTGTGTT



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CCCACGACAAGCTTCATCCTGATAAAATATCAATTATGAAGAGAATATCGGAATATGCGGCTAACATTTT
CTATAGTCGATATGGAGGAGGTCCAAGACTAACTGTGAAAGCCCTTTGTAAGGACTGCGTCGTGGAACGC
TGCCGTGTCTGCGCCTGAAGAATCAGCTGAATGAAGATTACAAAGCTGTCAACAATTTGCTGAAATCGA
CAATGAAGGGTGATGGATTTTGGGTAGGAAAGTCTTCTTGCCTAGTGGCGCCAGCTGGCTCTTGAACA
ACTAGATGAGCAAGATGGTGAGGCGGAGCAAAGCAACGGGAAGATAAACGGGAGCACCTTCAATAAAGAT
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GCTGCCCTTCTGTGTCACATGGAGGACTCATGTTTACATTTCTTCCCTCACCAAGAAGACTCGAAAC
TCTGTCAACCTTTAGAGAGAAGAGAAGGAGGCTGGCCACTGCAGCACATAATAATATAGCTCTCATATG
GCCAGCGAATGGCAAATGATTCAAAAGCTCTTTGTTGTGGATAAAGTAATTAATCACAAGAATTGAA
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AAGGAGGAGGCTAAGCCAGATGGGGAGAAGGATCCTGACTTTAATCAAAGCAATGGAAGTACCAAGCGAC
AGAAGACATCCCAACAGGGCTATGTGGCCTACCAGAAGCAGGTCATCCGGAGGAGCAGGAGCACAGGAA
GGTTCGGGGAGAGAAGGCACTGTTGGTGTCTGCCAACCAGACGTTAAAAGAATTGAAGATTGAGATCATG
CACGCATTTTCAGTTGCTCCATTTGACCAGAATTTGTCAATTGATGGAAGATTTTAAACGACGACTGTG
CCACCTTGGTACCCTCGCGTCATTCTGAGTCTGTCAATTTGTTAAAGGCTGATGAACCAATTGCAGA
CTACGCTGCAATGGATGATGTCAAGTTTGTATGCCGGAAGAGGGCTTTAAAGGTACGGCCTGCTC
GGACATTAA
    
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_130879
- Insert Size:** 3159 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
- RefSeq:** NM_130879.2, NP_570949.2
- RefSeq Size:** 5766 bp

RefSeq ORF: 3159 bp

Locus ID: 170707

UniProt ID: [Q3V0C5](#)

Cytogenetics: 4 D3

Gene Summary: Recognizes and hydrolyzes the peptide bond at the C-terminal Gly of ubiquitin. Involved in the processing of poly-ubiquitin precursors as well as that of ubiquitinated proteins. May be involved in the regulation of NF-kappa-B activation by TNF receptor superfamily via its interactions with RELA and TRAF2. May also play a regulatory role at postsynaptic sites (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).