

Product datasheet for **MC204754**

Usp14 (NM_001038589) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Usp14 (NM_001038589) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Usp14
Synonyms:	2610005K12Rik; 2610037B11Rik; AW107924; ax; C78769; nmf375
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >BC050197
 GTTTGAATGAGGCTTGTGCGACCCGAGCTGCCGCTCCACCTCGCTTCCACCCCGCCGCTCCACGAGT
 TGCTTCGTATTCTCGGCTGCCCTTGTGACACCCAGCCTCCCGCGCTTTTCTTCTCCTCGCTCGCCA
 TGCCACTCTACTCTGTTACAGTAAAAATGGGAAAGGAGAAGTTTGAAGGTGTAGAATTGAATACTGATGA
 ACCTCCAATGGTGTCAAAGCCAGCTTTTGCATTGACTGGAGTCCAGCCAGCCAGACAAAAAGTTATG
 GTGAAAGGAGGAACCCCTGAAGGATGATGACTGGGAAACATCAAAATGAAAAATATGGAATTGCCATGTG
 GATTGACAAACCTTGGTAACACTTGTACATGAATGCTACAGTTCAGTGTATTCGTTCTGTGCTGAAT
 CAAAGATGCCCTTAAAAGGTATGCAGGTGCGTTGAGAGCTTCAGGAGAAATGGCTTCAGCACAGTATATT
 ACTGCAGCTCTTAGAGATTTGTTTATTCCATGGATAAACTTCTTCTAGTATCCACCTATTATTCTGC
 TGCAGTTTCTGCACATGGCCTTTCCACAGTTTGCAGAGAAGGGCGAACAAAGGCAGTATCTTCAGCAGGA
 TGCTAGCGAATGCTGGATACAAATGATGAGAGTCTGCAACAGAACTAGAAGCCATAGAGGATGATTCT
 GGTAGAGAGACGGATTCTTATCTGCACCAGCGGTGACACCTTCTAAAAAGAAAAGCTTAATTGATCAAT
 ATTTTGGTGTGAGTTTAAAACCTACCATGAAATGTACAGAATCTGAAGAAGAAGAGGTCACCAAAGGAAA
 GAAAAATCAACTTCAACTTAGTTGTTTCATTAACCAGGAAGTGAAGTATCTTTTACAGGGCTGAAATTG
 CGACTTCAGGAAGAAATTAATAACAGTCTCAACACTGCAGAGAAATGCTTTGTACATCAAACTTCTTA
 AGATCAGCCGGCTACCTGCTTACTTAATCAATGTTTCGATTTTTTATAAAGAGAAAAGAAATCTGT
 GAACGCCAAAAGTTCTTAAGGATGTTAAGTTTCTTATGTTGGATGTGTATGAACTCTGCACACCGAA
 CTTCAAGAGAAAAATGGTCTTTTTCGGTCAAAATCAAGGATCTAGAAGATAAAAAAGTGAATCAGCAAC
 CAAATGCAAAATGACAAGAATAGTCTCCGAAAGAGATTAAGTATGAACCCTTTTCAATTTGCTGACGATAT
 TGGCTCCAATAATTGGGCTACTATGACTTACAAGCAGTGTAACTCACCAGGGAAGATCTAGTTCTTCA
 GGTCAATATGATCATGGGTGAGAAGAAAACAAGATGAATGGATCAAATTTGATGGTGATAAGGTCAGCA
 TTGTAACCCAGAAAGATATTCTGCGCTGTCTGGTGGTGGAGACTGGCACATTGCTTATGTTCTACTTTA
 TGGGCTCGAAGAGTTGAAATAATGGAAGAAGAAAGTGAACAGTAACTTCAATTTAGCTATTTATGCTT
 AGGTGTGAATGTTTTTGTGTTGTTGAAACATTTCTATAATCTTGAGCTCTAAAGAAAATGAGAACAG
 AACCAAGCCACTTGTGCATCTTCAATCTTAAGACTACGGGAAATACGTTTGGTCTTACCTTGTATAGA
 GGTAGCTTCAAGACATCTTTAAAAATCTCATTTTTTGCATTAATCCTTAGAAATTTCTGGCTGAAATCC
 ATTTTATCCCTTGCCTTTTCAGCCCAAGCTTTAGCAGTGTGTTTATTGCACACCTATCTGTTGTTCTTG
 CATGGTACTATCACCTCAGTAGCTGCCGCTCTGCCTTATCTAACCAATTTTTTCTAGGAAGGTG
 GAAAAGTGTGCTCTCTCGTGAATCAGTGCTGCTGTCCACATCCCATCACTGGGTGCAATCAAGTA
 GTGTCCAGACTGACTGTTGCTGGCCTTTATGACTTTACAATAAATGTGATCAATAAGGCCCAAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_001038589

Insert Size: 1377 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: [BC050197](#), [AAH50197](#)

RefSeq Size: 2068 bp

RefSeq ORF: 1377 bp

Locus ID: 59025

Cytogenetics: 18 4.91 cM

Gene Summary: Proteasome-associated deubiquitinase which releases ubiquitin from the proteasome targeted ubiquitinated proteins. Ensures the regeneration of ubiquitin at the proteasome. Is a reversibly associated subunit of the proteasome and a large fraction of proteasome-free protein exists within the cell. Required for the degradation of the chemokine receptor CXCR4 which is critical for CXCL12-induced cell chemotaxis. Serves also as a physiological inhibitor of endoplasmic reticulum-associated degradation (ERAD) under the non-stressed condition by inhibiting the degradation of unfolded endoplasmic reticulum proteins via interaction with ERN1. Plays a role in the innate immune defense against viruses by stabilizing the viral DNA sensor CGAS and thus inhibiting its autophagic degradation.[UniProtKB/Swiss-Prot Function]