

Product datasheet for MR211552

Usp25 (NM_013918) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Usp25 (NM_013918) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Usp25
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211552 representing NM_013918 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGACCGTGGAGCAGAATGTGCTGCAGCAGAGCGCGGCGCAGAAGCACCAGCAGACATTTTTGAATCAGC
TGAGAGAAATTAAGGATTAATGACGCCAGATACTCCAACAAGCCCTGAAGGATAGTAACGGAAACTT
GGAATTAGCAGTAGCCTTCCTCACTGCAAAGAATGCCAAGACCCCCACAGGAGGAGACAGGCTATTAC
CAGACAGCGCTTCCAGGCAACGACAGGTACATCAGCGTGGGAAGCCAGGCAGATGCAAATGTAATTGATC
TCACTGGAGATGACAAAGATGATCTTCAGAGAGCGATTGCCTTGAGTTTGGCGGAGTCAAACAGGCGATT
CAGGGAGACGGGCATAACCGATGAAGAGCAGGCCATCAGTAGAGTTCTTGAAGCCAGCATAGCAGAAAAAT
AAAGCATGCTTGAAGAGAACACCTATAGAAGTTTGGAGGATTCTCGAAACCCCTATGACAGAAAAAGAC
AAGAGAAAGCTCCAGTCGGTCTGAAGAATGTCGGCAACACCTGCTGGTTAGTGCAGTTATTCAAGTCATT
ATTCAATCTTTGGAGTTTGAAGATTAGTTCTGAATTACAAGCCTCCATCAAATGCTCAAGATTTACCC
CGAAACAAAAGGAACATCGAATTTGCCTTTTATGCGGAACTGAGGTATCTGTTTGCACCTTCTGTTG
GTACCAAGAGGAAGTATGTTGATCCGTCAGAGCAGTTGAGATTCTGAAGGATGCCTTCAAATCCAATGA
CTCACAGCAGCAAGATGTGAGTGAAGTTTACACACAAGTTATTGGACTGGTTGGAAGATGCCTTCAAATG
AAAGCTGAAGAGGAAACGGATGAAGAGAAGCCAAAGAACCCTATGGTAGAGCTGTTCTATGAAGATTCC
TAGCCATGGGAGTGCTTGAAGGAAAAAATTTGAGAACACTGAAATGTTCCGGTCAGTATCCACTTACAGT
GAACGGGTTCAAAGACCTGCATGAGTGCCTGGAGGCCGCCATGATCGAAGGGGAGATCGAATCCTTACAC
TCCGATAACTCAGGAAAGTCAGGCCAGGAGCATTGGTTCACTGAATTGCCGCCGGTATTAACATTTGAAC
TGTCAAGATTTGAATTTAACCAGGCATTGGGAAGACCAGAAAAAATTCACAATAAACTAGAATTTCCCA
AGTTTTATCTGGACAGGTATATGCACAGAAATAGAGAAATAACAAGAATTAACCTGAAGAGATCAAG
AGACTTAAAGATTACCTCACAGTATTACAACAAGATTAGAGAGATATTTAAGCTATGGTTCCGGTCCCA
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CCTTGAGGTCAGTGATTCACAAACCCTCACTCAGTCTCGGATACCTCCAGATTTGCCATGCATCCGGC



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ACCAAGGCACATCACAGAGGAAGAACTGTGCGTGCTGGAGAGCTGTTTACATCGCTGGAGGACGGAATA
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 CTTTCAGAGAGAAAGTTATATAGACTCCTTGCTGTTCTTCTCTGTGCTTATCAGAATAACAAAGAGCTC
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 GCTGTGGAAGACATGAGGAATCGCTGGTGTTCATACCTGGGGCAAGAAATGGAAGCAAACCTCCAAGAAA
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 GTTACCTTCTACTCTGCGCACGAACCTGTGAGCGATTGCCCCGGATCATGTTGTCCCTCAGTCGTACG
 CCTGCTGATGGAAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR211552 representing NM_013918
 Red=Cloning site Green=Tags(s)

MTVEQNVLQQSAAQKHQQTFLNQLREITGINDAQILQQALKDSNGNLELAVAFLLAKNAKTPPEETGY
 QTALPGNDRIYSVGSQADANVIDLTGDDKDDLQRAIALSLAESNRAFRETGITDEEQAISRVLEASIAEN
 KACLKRTPIEVWRDRNPNYDRKRQEKAPVGLKNVGNWCWFSAVIQSLFNLLFRRLVNLKPPSNAQDL
 RNQKEHRNLPFMRELRYLFAALLVGTKRKYVDPSRAVEILKDAFKSNDSSQQQDVSEFTHKLLDWLEDAFQ
 KAEETDEEKPKNPMVELFYGRFLAMGVLEGGKFENTEMFGQYPLQVNGFKDLHECLEAAMIEGEIESLH
 SDNSGKSGQEHWFTELPVLT FELSRFEFNQALGRPEKIHNKLEFPQVL YLDRYMHRNREITRIKREEIK
 RLKDYLTVLQQRLELYLSYSGPKRFPLVDVLQYALEFASKPVCTSPVDDIDASSASGPLPSQSLPST
 TEQQGPCASDLPGSSSPASGAALPLRSVIHKPFTQSRIPDLPMHPAPRHITEEELCVLESCLHRWRTEI
 ENDTRDLQESISRHRTELIELMYSDKSMIQVPYRLHAVLVHEGQANAGHYWAYIFDHRESRMKYNDIAVT
 KSSWEELVRDSFGGYRNASAYCLMYIDDKAQFLIQEEFNKETGQALVGMETLPPDLRDFVEEDNQRFKE
 LEEWDTQLAQRSLQEKLLAAPKLREAEASATTAQAGGADYLEQPSRSDLKHWKEETLRVIAKASHDLED
 KGPETVLQSAIKLEYSRLVKLAQEDTPPETDYRLHHVLVYFIQNQAPKKIIEKTLLEQFGDRNLSFDERC
 HNIMKVAQAKLEMIKPEEVNLEEYEEWHADYKFFRETTMYLITGLENFQRESYIDSLFLLCAYQNNKEL
 LSKGPYRGHDGELISHYRRECLLKLNEQAAELFESGEDGDVNNGLIIMNEFIVPFLPLLVDMEEKDIL
 AVEDMRNRWCSYLGQEMEANLQEKLTDFLPKLLDCSTEIKGFHEPPKLPYSYSAHEL CERFARIMLSL SRT
 PADGR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9033_h01.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_013918

ORF Size: 3165 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_013918.2](#), [NP_038946.2](#)

RefSeq Size: 4432 bp

RefSeq ORF: 3168 bp

Locus ID: 30940

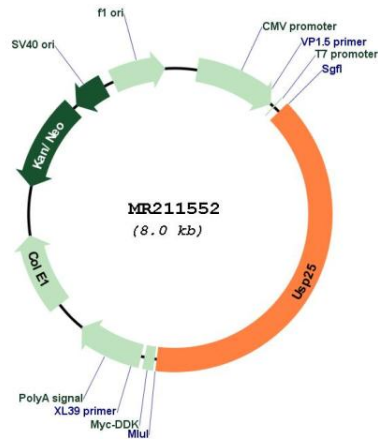
UniProt ID: [P57080](#)

Cytogenetics: 16 C3.1

MW: 121.9 kDa

Gene Summary: Deubiquitinating enzyme that hydrolyzes ubiquitin moieties conjugated to substrates and thus, functions to process newly synthesized Ubiquitin, to recycle ubiquitin molecules or to edit polyubiquitin chains and prevents proteasomal degradation of substrates. Hydrolyzes both 'Lys-48'- and 'Lys-63'-linked tetraubiquitin chains (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211552