

Product datasheet for MR206095

Usp50 (NM_029163) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Usp50 (NM_029163) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Usp50
Synonyms:	1700086G18Rik; 4930511O11Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206095 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGCTTCATTGACATGGCGTCTCATCGGCCGTCCCTGCAGACGACTTCGGTGCCTACTACAACCTTG
CGGAGTGTGCAGACTATGACTCCCTGCCGGAGTCTAAGACCCAGCCACACTTCAGGGCGTGACGGGACT
GCGGAACCTGGGCAACACCTGCTACATGAACGCCATCTTGCAATGCCTCTGCAGCGTATCTCCACTGGT
GAGTACTTCTGTCCGAAAGTACATCACAGCTCTTAAGAAGGACTGCAGTGAGGTTACCACCGCCTTTG
CCTACCTGATGACAGATATGTGGCTTGGGACTCAGACTGTGTCTCACCAGAGATATTTCTGTCGGCTGT
TGGCAGTCTTTACCCAGCTTTTCTGAAAAAGACACAGCAAGATGCGCAGGAGTTCCTGATTTACGTCTC
AACGAGCTTCATGAAGCTTTGAAAAAGCACTGCCGAAGAAGAGTGAATGAGAAAAGAACAGGCCAAAGCT
GCTGCAGGAAGGTGCCGGCCAGGAGACCTCCATCATCACCCGGCTGTTTGAAGGACAGCTCAGTTACAG
CATCACATGTTTAAAGTGTGAGAGCTGCACGCACAAGAACGAAGTTTTACCATCCTCTCCCTCCCCATC
CCATCTGACTATGAATGTTCCCTCCAGGACTGTCTCCAGTGTTTTTTCCAACAGGACACACTGACCTGGA
GCAACCAATCTATTGTTCCTTTTGTGAAATCAAGCAAGAGGCAGCTGTGAGGACCACGATTTCCAAGGT
GCCGAAAATAATTGTTTTCACTTTAAAAGTTTGACATCCAGGGCACAGTAAAGAGGAAGCTGCCGACA
GACATCCATTACCCCTGACCAACCTGGACCTCACTCCTTATATCTGTCCAGTTTTCCGGAACATCCCCA
TGTACAACCTGTGCGCAGTGGTGAACCACTTTGGAGATCTGGATGGTGGTCACTACACTGCTTTCTGCAA
GAACTCGTAACCTCAGGCTGGTACAGCTTTGATGACACCCGAGTCAGTGAGATCCAGATACTTCTGTT
CAAACAGCTACAGCCTATCTTCTGTTCTATAGCTGCCAGCCTTTTTCTATACCAGCACAGAAACGCAAGA
GCCAGGACAGTACTCCTGACCACTGCAAGCAAGCTATCCGAAAGTGGCCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206095 protein sequence
Red=Cloning site Green=Tags(s)

MCFIDMASHRPVPADDFGAYYNLAECADYDSLPEskTQPHFQGVtGLRNLGNTCYMNAILQCLCSVSPLV
 EYFLSGKYITALKKDCSEVTTAFAYLMTDMWLGDSDCVSPEIFLSAVGSLYPAFLKKTQQDAQEFLIYVL
 NELHEALKKHCRRRVNEKRTGQSCCRKVPaQETSIIITRLFEGQLSYSITCLKCESCTHKNEVFTILSLPI
 PSDYECSLQDCLQCFFQDTLTWSNqIYCSFCEIKQEAaVRTTISKVPKIIIVFHFKRFDIQGTVKRKLRT
 DIHYPLTNLDLTPYICPVFRKHPMYNLCAVvNHFGDLDGGHYTAFCKNSVTQAWYSFDDTRVSEIPDTSV
 QTATAYLLFYSCQPFsIPaQKRKSQDSTPDHCKQAIrKWp

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_029163

ORF Size: 1173 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_029163.1](#), [NM_029163.2](#), [NM_029163.3](#), [NP_083439.1](#), [NP_083439.2](#)

RefSeq Size: 1748 bp

RefSeq ORF: 1173 bp

Locus ID: 75083

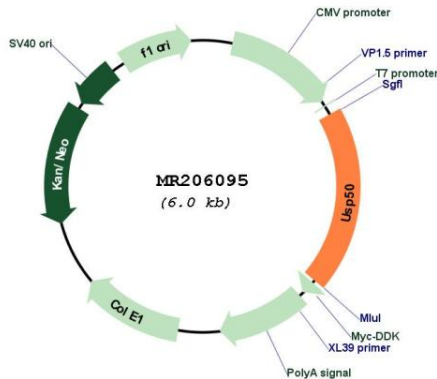
UniProt ID: [Q6P8X6](#)

Cytogenetics: 2 F1

MW: 44.5 kDa

Gene Summary: May recognize and hydrolyze 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 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206095