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Product datasheet for MC217339

Usp30 (NM_001033202) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Usp30 (NM_001033202) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Usp30
Synonyms:	6330590F17Rik; AI851327; D5Ertd483e
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

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Fully Sequenced ORF:

>MC217339 representing NM_001033202
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTAAGTTCCCGGGCGCAGGCGGCGAGGACGGCGGCCGACAAGGCCCTGCAGCGCTTCCTGCGCACCG
GGGCGGCCGTCAGATACAAAGTCATGAAGAACTGGGGAGTGATCGGTGGGATTGCCGCTGCCCTGGCAGC
AGGGATCTATGTTATTTGGGGTCCCATTACAGAGAGGAAGAAGCGGAGAAAAGGGCTTGTGCCTGGCCTT
GTCAATCTGGGGAATACCTGCTTCATGAACTCGCTGCTGCAGGGCCTGTCTGCCTGCCCTGCGTTTGTCA
AGTGGCTGGAAGAGTTTACCACCCAGTACTCCAGGGACCAGCAGGGGCCACACACTCACCAGTGCCTGTC
CTTAACACTGCTGAACCTCCTGAAAGCTCTGTCCTGCCAAGAAGTCACCGAGGACGAGGTCTTGGACGCC
AGCTGTCTGCTGGACGTCCTGAGAATGTACAGATGGCAGATCTCGTCCTTTGAGGAGCAGGATGCTCACG
AGCTGTTTCATGTCATCACCTCATCACTGGAGGACGAGAGAGACCGCCAGCCTCGAGTCACCCACTTGTT
TGATGTGCATTCCCTGGAGCAGCAGTCAGAAATGGCTCCCAGACAAGTCACTTGCCACACGAGAGGGTCC
CCTCACCCCACGACCAATCACTGGAAGTCTCAGCACCCTTTCCATGGAAGACTCACCAGTAACATGGTGT
GCAAACACTGTGAACACCAGAGTCCTGTTCGGTTTGACACCTTTGACAGCCTTTCTCTCAGTATTCCAGC
TGCCACTTGGGGGCACCCACTGACACTGGACCACTGCCTTCACCACTTCATCTCATCAGAGTCCGTGCGA
GACGTTGTGTGTGACAACTGTACAAAGATTGAAGCGAGGGGGACACTGACCGGGGAGAAGGTGGAGCATC
AGAGGAGCACCTTTGTTAAACAGTTAAAACTCGGAAAGCTGCCACAGTGCCTCTGCATCCACCTGCAGCG
GCTCAGCTGGTCCAGCCACGGCACGCCCTTGAAGCGGCACGAGCACGTGCAGTTTAACGAGTTCCTGATG
ATGGACTTCTACAAGTACCGCCTCCTGGGACACAAGCCCAGCCAGCATGGCCCCAAAGCCACCGAGAACC
CAGGGTCTGCCCCAGAAGTACAGGACGCACAGGCGGCCCCAAAGCCAGGTCTGAGTCAGCCAGGGGCCCC
CAAGACACAGATTTTTCTGAATGGCGCCTGCTCCCCGTCTCTGTTGCCAGCCCTGCCTTCCCCGGTGGCC
TTCCCTCTGCCAGTGGTTCCTGACTACAGCTCCTCCACATACCTCTTCCGCTTGATGGCAGTTGTCGTTC
ACCATGGAGACATGCACTCTGGACACTTTGTCACCTACAGACGGTCACCACCTTCTGCCAAGAACCCTCT
CTCAACCAGCAACCAATGGCTGTGGATTTCTGACGACACCGTCCGCAAGGCCAGCCTGCAGGAGGTCCTG
TCCTCTAGTGCCTACCTGCTGTTCTATGAGCGAGTTCTGTCCAGGGTGCAGCAGCAGGGGCGAGAGTATA
GGTCTGAGGAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001033202

Insert Size: 1554 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_001033202.3, NP_001028374.1
RefSeq Size:	2790 bp
RefSeq ORF:	1554 bp
Locus ID:	100756
UniProt ID:	Q3UN04
Cytogenetics:	5 55.96 cM
Gene Summary:	Deubiquitinating enzyme tethered to the mitochondrial outer membrane that acts as a key inhibitor of mitophagy by counteracting the action of parkin (PRKN): hydrolyzes ubiquitin attached by parkin on target proteins, such as RHOT1/MIRO1 and TOMM20, thereby blocking parkin's ability to drive mitophagy. Preferentially cleaves 'Lys-6'- and 'Lys-11'-linked polyubiquitin chains, 2 types of linkage that participate in mitophagic signaling. Does not cleave efficiently polyubiquitin phosphorylated at 'Ser-65' (By similarity). Acts as negative regulator of mitochondrial fusion by mediating deubiquitination of MFN1 and MFN2 (PubMed:24513856).[UniProtKB/Swiss-Prot Function]