

Product datasheet for **MR203606**

Otub1 (NM_134150) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Otub1 (NM_134150) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Otub1
Synonyms: A1850305
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR203606 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

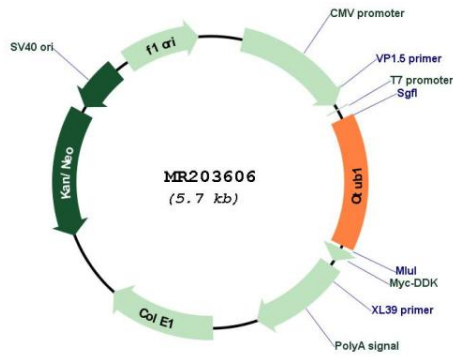
ATGGCGGCGGAGAACCTCAGCAGCAGAAGCAGGAGCCACTGGGTAGCGACTCCGAAGGTGTTAACTGTT
TGGCCTATGATGAAGCCATTATGGCTCAGCAGGACCGAATTCAGCAAGAGATTGCTGTGCAGAATCCTCT
GGTGTGAGGCGGCTGGAACCTCTCAGTCTGTACAAGGAGTATGCTGAGGATGACAACATCTACCAACAG
AAGATCAAGGACCTCCACAAAAAGTACTACATACGGAAGACCCGGCCTGATGGCAACTGCTTCTACC
GAGCGTTTGGCTTCTCCACCTGGAGGCACTGCTAGATGACAGCAAGGAAGTGCAGCGGTTCAAAGCCGT
GTCTGCCAAGAGTAAAGAGGACCTGGTATCCCAGGGCTTCACTGAATTCACAATTGAAGACTTCCACAAC
ACGTTTCATGGACCTTATCGAGCAGGTGGAGAAGCAGACCTCAGTAGCTGACCTGCTGGCCTCCTTCAATG
ACCAGAGCACCTCAGACTACCTTGTGGTCTACCTGCGACTGCTCACCTCAGGCTACCTACAGCGGGAGAG
CAAGTTCTTCGAGCACTTCATCGAGGGTGGCCGACTGTTAAGGAGTTCTGCCAGCAGGAGGTGGAACCC
ATGTGCAAGGAGAGCGACCACATCCACATCATAGCCCTGGCCAGGCCCTCAGTGTGTCCATCCAAGTGG
AGTACATGGACCGCGCGAGGGCGGCACCACCAACCCACAGTCTTCCCCGAGGGCTCCGAGCCCAAGGT
CTACCTTCTACCGACTGGACTACGATATCCTCTACAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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:	<ol style="list-style-type: none"> 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:	<u>NM_134150.2</u> , <u>NP_598911.1</u>
RefSeq Size:	1677 bp
RefSeq ORF:	816 bp
Locus ID:	107260
UniProt ID:	<u>Q7TQI3</u>
Cytogenetics:	19 A
MW:	31.3 kDa
Gene Summary:	Hydrolase that can specifically remove compared to 'Lys-48'-linked conjugated ubiquitin from proteins and plays an important regulatory role at the level of protein turnover by preventing degradation. Regulator of T-cell anergy, a phenomenon that occurs when T-cells are rendered unresponsive to antigen rechallenge and no longer respond to their cognate antigen. Acts via its interaction with RNF128/GRAIL. Surprisingly, it regulates RNF128-mediated ubiquitination, but does not deubiquitinate polyubiquitinated RNF128. Deubiquitinates estrogen receptor alpha (ESR1). Mediates deubiquitination of 'Lys-48'-linked polyubiquitin chains, but not 'Lys-63'-linked polyubiquitin chains. Not able to cleave di-ubiquitin. Also capable of removing NEDD8 from NEDD8 conjugates, but with a much lower preference compared to 'Lys-48'-linked ubiquitin.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203606