

Product datasheet for MC207434

Ubb (NM_011664) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ubb (NM_011664) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ubb
Synonyms: AL033289; Rps27a; Uba52; Ubb2; Ubc
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC207434 representing NM_011664
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAGATCTTCGTGAAGACCCTGACCGGCAAGACCATCACCTAGAGGTGGAGCCAGTGACACCATCG
 AGAACGTGAAGGCCAAGATCCAGGATAAAGAGGGCATCCCCCTGACCAGCAGAGGCTGATCTTTGCCGG
 CAAGCAGCTGGAAGATGGCCGACCCCTCTCTGATTACAACATCCAGAAGGAGTCAACCCTGCACCTGGTC
 CTTGCGCTGAGAGGTGGCATGCAGATCTTCGTGAAGACCCTGACCGGCAAGACCATCACCTGGAGGTGG
 AGCCCAGTGACACCATCGAGAACGTGAAGGCCAAGATCCAGGATAAAGAGGGCATCCCCCTGACCAGCA
 GAGGCTGATCTTTGCCGGCAAGCAGCTGGAAGATGGCCGACCCCTCTCTGATTACAACATCCAGAAAGAG
 TCAACCCTGCACCTGGTCTCCGTCTGAGGGTGGCATGCAGATCTTCGTGAAGACCCTGACTGGCAAGA
 CCATCACCTGGAGGTGGAGCCAGTGACACCATCGAGAACGTGAAGGCCAAGATCCAGGATAAAGAGGG
 CATCCCCCTGACCAGCAGAGGCTGATCTTTGCCGGCAAGCAGCTGGAAGATGGCCGACCCCTCTCTGAT
 TACAACATCCAGAAGGAGTCAACCCTGCACCTGGTCTTCGCTGAGAGGTGGCATGCAGATCTTCGTGA
 AGACCCTGACCGGCAAGACCATCACCTGGAGGTGGAGCCAGTGACACCATCGAGAATGTGAAGGCCAA
 GATCCAGGATAAAGAGGGCATCCCCCTGACCAGCAGAGGCTGATCTTTGCCGGCAAGCAGCTAGAAGAT
 GGCCGCACTCTCTGATTACAACATCCAGAAAGAGTCGACCCGACCTGGTCTCCGTCTGAGGGGTG
 GCTATTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_011664



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Insert Size:	918 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:	<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:	NM_011664.4 , NP_035794.1
RefSeq Size:	1513 bp
RefSeq ORF:	918 bp
Locus ID:	22187
UniProt ID:	P0CG49
Cytogenetics:	11 38.46 cM
Gene Summary:	<p>This gene encodes ubiquitin, one of the most conserved proteins known. Ubiquitin has a major role in targeting cellular proteins for degradation by the 26S proteasome. It is also involved in the maintenance of chromatin structure, the regulation of gene expression, and the stress response. Ubiquitin is synthesized as a precursor protein consisting of either polyubiquitin chains or a single ubiquitin moiety fused to an unrelated protein. This gene consists of four direct repeats of the ubiquitin coding sequence with no spacer sequence. Consequently, the protein is expressed as a polyubiquitin precursor with a final amino acid after the last repeat. Pseudogenes of this gene are located on chromosomes 3 and 14. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 both encode the same protein.</p>