

Product datasheet for MC218265

Ubb (BC100341) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ubb (BC100341) 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:	>BC100341 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGATCTTCGTGAAGACCCTGACCGGCAAGACCATCACCTAGAGGTGGAGCCCAGTGACACCATCG
AGAACGTGAAGGCCAAGATCCAGGATAAAGAGGGCATCCCCCTGACCAGCAGAGGCTGATCTTTGCCGG
CAAGCAGCTGGAAGATGGCCGCACCTCTCTGATTACAACATCCAGAAGGAGTCAACCCTGCACCTGGTC
CTTCGCCTGAGAGGTGGCATGCAGATCTTCGTGAAGACCCTGACCGGCAAGACCATCACCTGGAGGTGG
AGCCCAGTGACACCATCGAGAACGTGAAGGCCAAGATCCAGGATAAAGAGGGCATCCCCCTGACCAGCA
GAGGCTGATCTTTGCCGGCAAGCAGCTGGAAGATGGCCGCACCTCTCTGATTACAACATCCAGAAAGAG
TCAACCCTGCACCTGGTCTCCGTCTGAGGGGTGGCATGCAGATCTTCGTGAAGACCCTGACTGGCAAGA
CCATCACCTGGAGGTGGAGCCCAGTGACACCATCGAGAACGTGAAGGCCAAGATCCAGGATAAAGAGGG
CATCCCCCTGACCAGCAGAGGCTGATCTTTGCCGGCAAGCAGCTGGAAGATGGCCGCACCTCTCTGAT
TACAACATCCAGAAGGAGTCAACCCTGCACCTGGTCTTCGCCTGAGAGGTGGCATGCAGATCTTCGTGA
AGACCCTGACCGGCAAGACCATCACCTTGGAGGTGGAGCCCAGTGACACCATCGAGAATGTGAAGGCCAA
GATCCAGGATAAAGAGGGCATCCCCCTGACCAGCAGAGGCTGATCTTTGCCGGCAAGCAGCTAGAAGAT
GGCCGCACTCTCTGATTACAACATCCAGAAAGAGTCGACCTGCACCTGGTCTCCGTCTGAGGGGTG
GCTATTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	BC100341


[View online »](#)

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	BC100341 , AAI00342
RefSeq Size:	1145 bp
RefSeq ORF:	917 bp
Locus ID:	22187
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>