

Product datasheet for RN203603

Upb1 (NM_053845) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Upb1 (NM_053845) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Upb1
Synonyms:	Bup1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN203603 representing NM_053845 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCGGGACCTGAGTGGCAGTCCCTGGAGCAGTGCCTGGAAAAGCATCTGCCGCTGACGATTTGAGCC
AGGTGAAGCGAATTCTCTACGGCAAGCAAAGTGAATCTTGATCTGCCAGAAAAGCTTTAGAAGCTGC
CTCAGAAAAGAACTTCGAACTGAAGGGATACGCCCTTCGGGCGAGCAAGGAACAGCAGAGATGTCCCCAG
ATCGTGC GCGTGGGGCTCGTT CAGAACAGAATCCCGCTCCCACTTCCGCCCTGTGGCAGAACAGGTCT
CTGCCCTCCACAAACGCATAGAGGAAATAGCTGAGGTGGCAGCAATGTGCGGAGTCAACATCATCTGTTT
CCAGGAAGCCTGGAATATGCCCTTCGCTTTTTGTACACGAGAGAAAAGTTCCTTGGACAGAATTTGCTGAG
TCAGCAGAGGACGGGCTCACCACCAGGTTCTGT CAGAAGCTGGCAAAGAAGCACAACATGGTGGTGATAT
CTCCAATCTTGGAGCGTGACAGAGATCACGGGGGAGTTCTATGGAACACAGCTGTGGTGATCTCCAATC
GGGACTGGTCA TGGGAAAGACCAGAAAGAATCACATCCCAGAGTGGGCGACTTCAATGAGTCCACTTAC
TACATGGAGGGAAACCTCGGCCACCCCGTGTCCAGACCCAGTTTGGCAGGATTGCCGTGAACATCTGCT
ATGGGCGGCACCACCCCTCAACTGGCTCATGTACAGCGTCAACGGAGCTGAAATCATCTTCAACCCCTTC
AGCCACCATTGGAGAAGTCAAGTCCATGTGGCCGATCGAAGCCAGAAACGCAGCCATCGCTAATCAC
TGCTTACCTGTGCCCTCAACCGTGTGGGT CAGGAACACTACCCCAATGAGTTTACTTCTGGAGATGGAA
AGAAAGCTCACCATGACCTCGGCTACTTCTACGGTTCGAGCTACGTGGCAGCTCCTGACGGTAGCCGGAC
CCCCGGCCTCTACGCAATCAGGACGGGCTGCTGGTCACTGAGCTCAACCTCAACCTATGCCAGCAGATT
AATGATTTCTGGACTTTCAAGATGACGGGCCGACTTGAGATGTATGCCCGGGAGCTTGCCGAAGCTGTCA
AACCCAACTACAGTCCCAACATTGTGAAGGAAGACCTGGTTCTAGCCCTAGCTCGGGT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAAAGTCACTCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_053845
Insert Size:	1182 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:	<u>NM_053845.1</u> , <u>NP_446297.1</u>
RefSeq Size:	1420 bp
RefSeq ORF:	1182 bp
Locus ID:	116593
UniProt ID:	<u>Q03248</u>
Cytogenetics:	20p12
Gene Summary:	catalyzes the biosynthesis of beta-alanine; the third and final step in the catabolism of the pyrimidine bases uracil or thymine to produce beta-alanine or 2-methyl-beta-alanine [RGD, Feb 2006]