

Product datasheet for RN212674

Uba5 (NM_001009669) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Uba5 (NM_001009669) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Uba5
Synonyms:	Ube1dc1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN212674 representing NM_001009669 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCGAGTCGGTGGAGCGGCTGCTGCAGCGGGTTGAGGAGCTGGAGCAGGAACCGCCGGGAGAGAA
GCCGGCGGATTGCGGGGACGGCCACTGCGGCCGACCCGCATCCAGAAGATGAGCGACGAGGTGGTGGAA
TTCCAATCCCTACAGCCGCTGATGGCATTGAAACGGATGGGAGTTGTCAGTGACTATGAGAAAATCCGT
ACCTATGCTGTAGCAATAGTAGGTGTTGGTGGAGTTGGTAGTGTGACTGCTGAAATGCTGACAAGATGTG
GCATTGGTAAGTTGCTACTCTTTGACTATGACAAGGTGGAGCTGGCCAACATGAATCGACTTTTCTTCCA
GCCGTATCAAGCAGGGATGAGTAAGGTCCAAGCAGCAGAGCACACCCTGAGGAGCATTAAACCCTGATGTT
CTGTTTGAAGTTCACAATAATATCACCACCGTGGAACTTCGAACATTTTCATGAATAGAATAAGTA
ATGGGGGATTAGAAGAAGGACAACCTGTTGACCTAGTTCCTAGCTGTGTGGACAACCTTGAAGCTCGAAT
GGCAATAAATACAGCTTGTAAATGAACCTGGTCCAGACATGGATGGAATCTGGGGTCAGTGAACCGCAGTT
TCCGGGCACATCCAGCTTATGGTCCCTGGAGAGTCGGCTTGCCTTGCCTGCGCACCACCCTGTAGTTG
CTTCAAACATTGATGAAAAACCCTGAAACGAGAAGCGTCTGCGCGGCCAGCCCTCCACCACCATGGG
AGTGGTTGCAGGGATCTTGGTACAAAATGTATTAAGTTTCTGTTAAAAATTTGGGACTGTCAAGTTTTTAC
CTCGGATACAATGCCATGCAGGACTTCTCCCTACCATGTTTCATGAAGCCAAACCCTCAGTGTGATGACA
AAAAGTGTAGGAAGCAACAAGAAGAATACAAGAAGAGGGCACCAGCGCAGCCACGCAGGAGACTGCGCC
CCAAGAGGAGGAAGAGGTAGTTCATGAGGACAACGAGTGGGGTATTGAGCTGGTGTCTGAGGTTTCAGAA
GAGGAAGTGAAGAACTCGTCAGGTCCTGTTCCACCTTACCTGAAGGAATTACAGTGGCATAACAGTCC
CAAAGAAGAGAGAGGATTCTGTTTCTGAAGTAACGGTGGAAAGATTCTGGTGAAGCTTGAAGATCTCAT
GGCCAGGATGAAGAAGATGT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001009669
Insert Size:	1212 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_001009669.1</u> , <u>NP_001009669.1</u>
RefSeq Size:	1463 bp
RefSeq ORF:	1212 bp
Locus ID:	300968
UniProt ID:	<u>Q5M7A4</u>
Cytogenetics:	8q32
Gene Summary:	E1-like enzyme which activates UFM1 and SUMO2.[UniProtKB/Swiss-Prot Function]