

Product datasheet for RN213789

Ubxn2b (NM_001107905) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ubxn2b (NM_001107905) Rat Untagged Clone
Tag: Tag Free
Symbol: Ubxn2b
Synonyms: RGD1308557
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN213789 representing NM_001107905
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCGGAGGGTGGCGGCGGGAGCCGGAGGAGCAGGAGCGGAGGTCCTCGAGGCCGCGGCCCCCGAGTG
CGCGGGACTTACAGTTGGCCTTGGCAGAATTATGAAGATGAAATGAAATGCAAGTCTTCCAAGCCTGA
CAGATCTACAGCTACAGCCTTTAAGAGCCACGAACACCGCCCTTCGGCTTTATTCAGGTGATCAGGAA
TATGGTGGATTACATATAGCTCAACCTCCAACCTGGGAAAATTGTGAACGAACTTTCAAAGAGGCAAGGG
AACATGGGGCTGTCCCTCTAAATGAAGCCACAAGATCTTCAAGTGATGACAAAGCTAAGTATTTACAGG
TGGAGGGTACAGACTGGGCGATTCTTCTATAAGAGGTCAGAGTATATCTATGGAGAAAATCAGCTGCAA
GATGTTTCAAGTTTACTGAGGCTGTGGAGCAATGGTTTCAGTTTAGATGATGGAGAACTGAGGCCTTACA
GCGACCAACAAATGCTCAATTTTGGAGTCCGTTAAGAGAGGAGAGATTCCTCTGGAGCTTCAGCGACT
GGTCCACGGCAGCCAGGTGAGCCTGGACATGGAGGACCATCAAGACCAAGAGTACATAAAACCCAGATTG
CGCTTCAAGGCTTTTAGTGGAGAAGGGCAAAAACCTGGAAGCCTTACACCTGAAATCGTCAGTACTCCTT
CCTCCCCAGAAGAAGAGGATAAACTCAACTGAATGCAGCTGTTCTTATTGATGATTCAGTGCCCACTAC
AAAAATTCAGATCAGGCTGGCAGACGGAAGTCGTCTCATACAGAGATTCACAGCACACACCGGATTCTG
GATGTACGAGACTTTATAGTACAGTCACGTCTGAATTTGCAACTACTGACTTTATTCTTGTGACTTCAT
TTCCAAGTAAAGAGCTAACAGATGAGAGCGTGACTCTCCAAGATGCGGATATTCTTAACACAGTGATACT
CCAGCAACTGAAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001107905



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Insert Size:	996 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_001107905.1</u> , <u>NP_001101375.1</u>
RefSeq Size:	1494 bp
RefSeq ORF:	996 bp
Locus ID:	312965
UniProt ID:	<u>P0C627</u>
Cytogenetics:	5q12
Gene Summary:	Adapter protein required for Golgi and endoplasmic reticulum biogenesis. Involved in Golgi and endoplasmic reticulum maintenance during interphase and in their reassembly at the end of mitosis. The complex formed with VCP has membrane fusion activity; membrane fusion activity requires USO1-GOLGA2 tethering and BET1L. VCIPI1 is also required, but not its deubiquitinating activity. Together with NSFL1C/p47, regulates the centrosomal levels of kinase AURKA/Aurora A during mitotic progression by promoting AURKA removal from centrosomes in prophase. Also, regulates spindle orientation during mitosis. [UniProtKB/Swiss-Prot Function]