

Product datasheet for **RR213789**

Ubxn2b (NM_001107905) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ubxn2b (NM_001107905) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ubxn2b
Synonyms: RGD1308557
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR213789 representing NM_001107905
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGGAGGGTGGCGGCGGGAGCCGGAGGAGCAGGAGCGGAGGTCCTCGAGGCCGGCCCCGAGTG
CGCGGGACTTACAGTTGGCCTTGGCAGAATTATGAAGATGAAATGAAATGCAAGTCTTCCAAGCCTGA
CAGATCTACAGCTACAGCCTTTAAGAGCCACGAACACCGCCCTTCGGCTTTATTCAGGTGATCAGGAA
TATGGTGGATTACATATAGCTCAACCTCCAACCTGGGAAAATTGTGAACGAACTTTCAAAGAGGCAAGGG
AACATGGGGCTGTCCCTCTAAATGAAGCCACAAGATCTTCAAGTGATGACAAAGCTAAGTATTTACAGG
TGGAGGGTACAGACTGGGCGAGTTCCTTCTATAAGAGGTCAGAGTATATCTATGGAGAAAATCAGCTGCAA
GATGTTTCAGATTTTACTGAGGCTGTGGAGCAATGGTTTCAGTTTAGATGATGGAGAACTGAGGCCTTACA
GCGACCAACAAATGCTCAATTTTTGGAGTCCGTTAAGAGAGGAGAGATTCCTCTGGAGCTTCAGCGACT
GGTCCACGGCAGCCAGGTGAGCCTGGACATGGAGGACCATCAAGACCAAGAGTACATAAAACCCAGATTG
CGCTTCAAGGCTTTTAGTGGAGAAGGGCAAAAACCTTGAAGCCTTACACCTGAAATCGTCAGTACTCCTT
CCTCCCCAGAAGAAGAGGATAAAATCAACTGAATGCAGCTGTTCTTATTGATGATTCAGTGCCCACTAC
AAAAATTCAGATCAGGCTGGCAGACGGAAGTCGTCTCATACAGAGATTCACAGCACACACCGGATTCTG
GATGTACGAGACTTTATAGTACAGTCACGTCTGAATTTGCAACTACTGACTTTATTCTTGTGACTTCAT
TTCCAAGTAAAGAGCTAACAGATGAGAGCGTGACTCTCCAAGATGCGGATATTCTTAACACAGTGATACT
CCAGCAACTGAAG

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RR213789 representing NM_001107905
Red=Cloning site Green=Tags(s)

MAEGGGAEPPEEQERRSSRPSPSARDLQLALAELEYEDMKCKSSKPDPRSTATAFKSPRTPLRLYSGDQE
 YGGLHIAQPPTGKIVNELFKEAREHGAVPLNEATRSSDDKAKSFTGGGYRLGSSFYKRSEYIYGENQLQ
 DVQILLRLWSNGFSLDDGELRPYSDPTNAQFLESVKRGEIPELEQLRHVGSQVSLDMEDHQDQEYIKPRL
 RFKAFSGEGQKLGSLTPEIVSTPSSPEEDKXILNAAVLIDDSVPTTKIQIRLADGSRLIQRFNSTRHIL
 DVRFIVQSRPEFATDFILVTSFPSKELTDESRTLQDADILNTVILQQLK

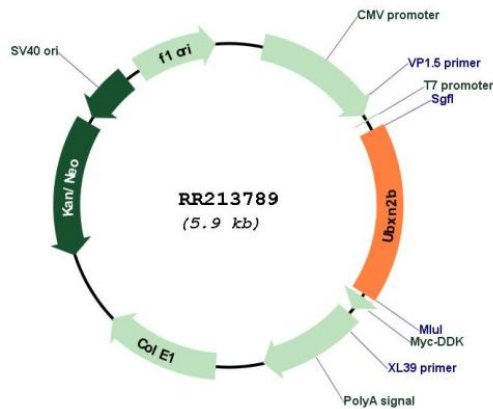
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001107905

ORF Size: 993 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001107905.1 , NP_001101375.1
RefSeq Size:	1494 bp
RefSeq ORF:	996 bp
Locus ID:	312965
UniProt ID:	P0C627
Cytogenetics:	5q12
MW:	37.1 kDa
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]