

Product datasheet for **MR204884**

Ubxn2b (NM_026534) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ubxn2b (NM_026534) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ubxn2b
Synonyms:	3110003A22Rik; 6430407D20Rik; AI451665; p37
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204884 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGAGGGTGGCCGTGCGGAGCCGGAGGAGCAGGAGCGTGGGTCTCCAGGCCACGGCCCCAAGTG
CGCGGGACTTACAGTTGGCCTTGGCAGAATTATGAAGATGAAATGAAATGCAAGTCTTCCAAGCCTGA
CAGATCCACACCTGCAACCTGTAGGAGCCACGAACCCGCACATCGGCTTTATTCAGGTGATCACAAA
TATGATGGATTACATATAGTTCAACCTCCAACCTGGGAAAATTGTGAATGAACTTTCAAAGAGGCAAGGG
AACATGGAGCTGTCCCTCTAACGAAGCCACAAGATCTTCAAGGGAAGACAAAATAAGTCAATTTACAGG
TGGAGGATACAGATTGGGGAATTCCTTCTACAAGCGATCAGAGTATATCTATGGGAAAAATCAGCTCCAA
GATGTTCAAGTTTTACTGAAGCTGTGGCCAATGGTTTCAGTTTAGACGATGGAGAATTGAGGCCTTACA
GTGACCCAACAAATGCTCAGTTTTTGAATCTGTTAAGAGAGGAGAGACTCCCCTGGAGCTTCAGCGACT
GGTCCATGGCGCCCAAGTGAACCTGGATATGGAGGATCATCAAGACCAAGAGTACATAAAACCCAGGTTG
CGATTCAGGCTTTTAGTGGAGAAGGGCAAAAACCTTGAAGCCTTACACCTGAAATCGTCAGTACTCCTT
CCTCCCCAGAAGAAGAGGATAAATCAATACTGAATGCAGCTGTTCTTATTGATGATTCAATGCCACCAC
AAAAATTCAGATCAGGTTGGCAGATGGAAGTCGTCTCGTACAGAGATTCAATAGCACACACCCGATTCTG
GATGTACGAGACTTTATAGTACGGTCACGTCCTGAATTTGCGACTACTGACTTTTATTCTTGTGACTTCAT
TTCCAAGTAAAGAACTAACAGATGAAACCGTGACACTACAAGAAGCGGACATTCTAACACTGTGATACT
CCAACAGCTAAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204884 protein sequence
Red=Cloning site Green=Tags(s)

MAEGGRAEPEEQERGSSRPPPSARDLQLALAELEYEDMKCKSSKPDRSTPATCRSPRTPPHRLYSGDHK
 YDGLHIVQPPTGKIVNELFKEAREHGAVPLNEATRSSREDKTKSFTGGGYRLGNSFYKRSEYIYGENQLQ
 DVQVLLKLWRNGFSLDDGELRPYSDPTNAQFLESVKRGETPLELQRLVHGAQVNLDMEDHQDQEYIKPRL
 RFKAFSGEGQKLGSLTPEIVSTPSSPEEDKXILNAAVLIDDSMPPTTKIQIRLADGSRLVQRFNSTRIL
 DVRFIVRSRPEFATDDFILVTSFPSKELTDETVTLQEADILNTVILQQLK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_026534

ORF Size: 996 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:

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_026534.2](#), [NP_080810.2](#)

RefSeq Size: 4735 bp

RefSeq ORF: 996 bp

Locus ID: 68053

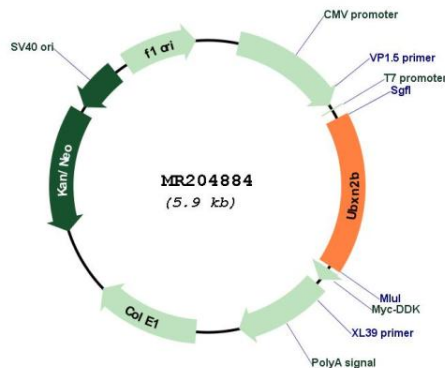
UniProt ID: [Q0KL01](#)

Cytogenetics: 4 A1

MW: 37.4 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. VCP1P1 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]

Product images:



Circular map for MR204884