

Product datasheet for **RG219137**

UBXN2B (NM_001077619) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UBXN2B (NM_001077619) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	UBXN2B
Synonyms:	p37
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG219137 representing NM_001077619 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGAGGGCGGAGGCCCTGAGCCCGGCGAGCAGGAGAGGAGGTCTCCGGGCCGCGCCTCCGAGCG
CGCGGGATTTGCAGTTGGCCTTGGCAGAATTGTATGAAGATGAGGTGAAGTGCAAATCTTCCAAGTCTAA
TAGACCTAAAGCCACAGTCTTCAAGAGCCACGGACACCACCTCAACGGTTTTACTCAAGTGAACATGAA
TACAGTGGATTAATATAGTTCGACCTTCAACTGGGAAAATTGTGAATGAACTTTCAAAGAGGCAAGGG
AACATGGGGCTGTCCCTCTGAATGAAGCCACAAGAGCTTCAGGTGATGATAAATCTAAGTCAATTTACAGG
TGGAGGATACAGATTGGGTAGTTCTTTTTGTAAGCGGTCTGAATATATCTATGGAGAAAATCAGCTGCAA
GATGTTTCAGATTTTGCTTAAACTGTGGAGCAATGGTTTCAGTTTAGATGATGGAGAATTGAGACCTTACA
ATGAACCAACAAATGCTCAATTTCTGGAGTCTGTTAAGAGAGGAGAGATCCCCTGGAGCTTCAGCGCCT
TGTTTCATGGTGGCCAAGTGAATTTGGATATGGAGGATCATCAGGATCAAGAATACATAAAACCTAGATTG
AGGTTCAAGGCTTTTAGTGGAGAAGGGCAAAAACCTGGAAGCCTTACACCTGAAATAGTCAGTACACCTT
CCTCTCCAGAAGAGGAGGATAAATCAATACTTAATGCAGTTGTTCTTATTGATGATTCAGTGCCAACAAC
AAAAATCAAATCAGTTAGCAGATGGGAGTCGTTTGATACAAAGATTCAATAGTACACACAGGATCCTG
GATGTCGGGAACTTTATTGTACAGTCTCGTCCTGAATTTGGCGCTTTGACTTTATTCTTGTGACTTCAT
TTCCGAATAAAGAGCTAACAGATGAAAGCCTGACACTGCTAGAAGCAGATATTCTAACACTGTGTTACT
CCAGCAACTAAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG219137 representing NM_001077619
 Red=Cloning site Green=Tags(s)

MAEGGGPEPGEQERRSSGPRPPSARDLQLALAELEYDEVKCKSSKSNRPKATVFKSPRTPPQRFYSSEHE
 YSGLNIVRPSTGKIVNELFKEAREHGAVPLNEATRASGDDKSKSFTGGGYRLGSSFCKRSEYIYGENQLQ
 DVQILLKLWSNGFSLDDGELRPYNEPTNAQFLESVKRGEIPLQLVHGGQVNLDMEDHQDQEYIKPRL
 RFKAFSGEGQKLGSLTPEIVSTPSSPEEDKXILNAVVLIDDSVPTTKIQIRLADGSRLIQRFNSTHRIL
 DVRNFIVQSRPEFAALDFILVTSFPNKELTDESLTLEADILNTVLLQQLK

TRTRPLE - GFP Tag - V

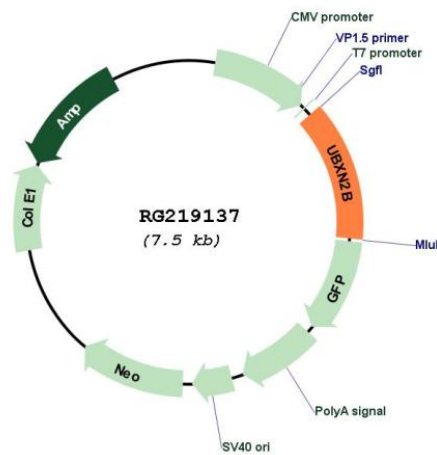
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001077619

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_001077619.1 , NP_001071087.1
RefSeq Size:	5088 bp
RefSeq ORF:	996 bp
Locus ID:	137886
UniProt ID:	Q14CS0
Cytogenetics:	8q12.1
Gene Summary:	Adapter protein required for Golgi and endoplasmic reticulum biogenesis (PubMed:17141156). Involved in Golgi and endoplasmic reticulum maintenance during interphase and in their reassembly at the end of mitosis (PubMed:17141156). The complex formed with VCP has membrane fusion activity; membrane fusion activity requires USO1-GOLGA2 tethering and BET1L (PubMed:17141156). VCPIP1 is also required, but not its deubiquitinating activity (PubMed:17141156). Together with NSFL1C/p47, regulates the centrosomal levels of kinase AURKA/Aurora A during mitotic progression by promoting AURKA removal from centrosomes in prophase (PubMed:23649807). Also, regulates spindle orientation during mitosis (PubMed:23649807).[UniProtKB/Swiss-Prot Function]