

Product datasheet for **RG208225**

UBXD3 (UBXN10) (NM_152376) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: UBXD3 (UBXN10) (NM_152376) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: UBXD3
Synonyms: UBXD3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG208225 representing NM_152376
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCACAGAAGCCCCTGTGAATATAGCACCACTGAGTGTAGCACTGTTGTCAGCACAGCAGTTGACA
GCCTCATTTGGCAGCCAACTCACTAAATATGCACATGATAAGGCCCAAGTCCGCCAAGGGACGGACAAG
ACCGAGTCTGCAGAAATCCAGGGCGTGGAGGTGTGCGCTCATCATATACCATCTCCGCCTCCAGCCATT
CCCTATGAGTTGCCAAGCAGCCAAAAACCAGGAGCCTGTGCACCCAAATCTCAAACCAGGGAGCTTCTG
ATGAGATCCCTGAGCTGCAGCAGCAAGTACCCACTGGGGCTTCTCTTCTCAATAAGTATCCAGTCTCT
TCCTTCCATCAACAGAAAGAACCCTGGAGGAGGAGGCTGTGGAAACCGTTGCCAAAAGGCCAGCTCACTG
CAACTGAGCAGTATCCGGGCTCTTTACCAAGACGAGACGGGCACCATGAAGACAAGTGAAGAAGATTCCA
GAGCTCGAGCTTGTGCCGTGGAGAGGAAATTCATCGTCCGAACCAAGAAACAGGGCTCTTCCAGGGCTGG
AAATCTGGAGGAACCATCGGACCAAGAACCAAGTTGCTGCTTGTGCTGTTAGATCACCAACAGGCCAAAGG
TTTGTACGCCATTTCCGGCCAACAGATGATTTGCAAACCATTTGTTGCTGTGGCCGAACAGAAAAACAAA
CCTCTACCGACTGCAGCATTGAAACAATGGAGGTGCCAGGAGGCGATTTTCTGACCTACCAAATC
TCTGCAAGAGTGCAGAATCCCCACAAGTCTGTGCTGGCATCTCACTGGAAGATGGGGAAGGGTGGCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG208225 representing NM_152376
Red=Cloning site Green=Tags(s)

MATEAPVNIAPPECSTVVSTAVDSLIIWQPNLSNMHMIRPKSAKGRTRPSLQKSQGVEVCAHHIPSPPPAI
 PYELPSSQKPGACAPKSPNOGASDEIPELQQVPTGASSLNKYPVLP SINRKNLEEEAVETVAKKASSL
 QLSSIRALYQDETGMTKTSEEDSRARACAVERKFIVRTKKQGSSRAGNLEEPSDQEPRLLLAVRSPTGQR
 FVRHFRPTDDLQIVAVAEQKNKTSYRHCSIETMEVPRRRFSDLTKSLQECRIPHKSVLGLISLEDGEGWP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



ACCN: NM_152376

ORF Size: 840 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_152376.5](#)

RefSeq Size: 2989 bp

RefSeq ORF: 843 bp

Locus ID: 127733

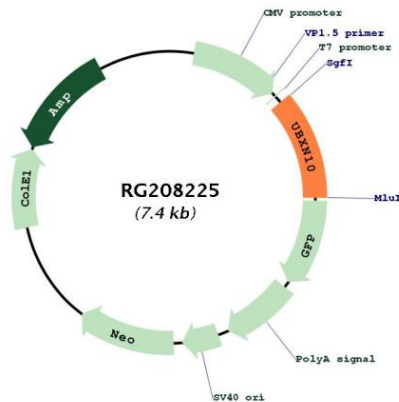
UniProt ID: [Q96LJ8](#)

Cytogenetics: 1p36.12

Domains: UBX

Gene Summary: VCP/p97-binding protein required for ciliogenesis (PubMed:26389662). Acts as a tethering factor that facilitates recruitment of VCP/p97 to the intraflagellar transport complex B (IFT-B) in cilia (PubMed:26389662). UBX domain-containing proteins act as tethering factors for VCP/p97 and may specify substrate specificity of VCP/p97 (PubMed:26389662). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG208225