

Product datasheet for **RN206255**

Ubxn4 (NM_001012025) Rat Untagged Clone

Product data:

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|--------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Ubxn4 (NM_001012025) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Ubxn4 |
| Synonyms: | Ubxd2 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >RN206255 representing NM_001012025
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTGTGGTTCAGGGCGCCATCCCGGGCCATCGCGTCTGCTAAGAGGAGCGGCGCGGTCTTCGTGG
 TGTTTCGTGGCAGGGACGATGAGCAATCTACACAGATGGCTGCAAGTTGGGAAGATGAGAAAAGTGAGGGA
 AGCATCATCAGACAACCTTTGTTGCTATTAATAATTGATACTAAAAGCGAAGCCTGTCTACAGTTTTACAA
 ATTTATCTGTAGTGTGTGTTCCGTCCAGTTTCTTTATAGGAGACAGTGGAAATCCCTTTGGAAGTAATAG
 CAGGGAGTGTTCGAGATGAAGTTTACAAGAATTCACAAAGTCCAACAGATGCACTCATTGAAAGG
 TGAAACATCAGTGACAAATGACAAACAGTCAGAAAAGTTCCGTATCTACCCCATCTGCCTCATTTGAACCT
 GACATATGTGAAAGTGCCGAGTCCAGAAATACAGAGCTTTGTGAGACACCAACTACTTCTGACCCAAAGT
 CAGATACTGCAGCAGGAGGAAATGCCGAGTCTGACAGCCTCTCTCAGGAGCCTCCTGGATGTTCAA
 CCAGAGACCAGCAGAGGACCTCACCGTCAGAGTGGAAAGATTAACAAAAAGCTTGAAGAAAGGAGAGAA
 GAGAAGAGGAAGGAAGAGGCCAGAGAGAGATTAGAAGGAAATTTGAAAGGAGAAAAACTGGAAAGGAAA
 TGTTGGATTATAAAAGAAAAACAAGAAGAATAAACAAAAAGAAATGTTAGAAGAAAAGCAGAGAAAA
 GGCAGAAGATAGAGCAGCTCGGGAGCGCATCAAGCAGCAGATTGCACTGGATCGTGCAGAAAAGAGCTGCT
 CGTTTTGCAAAGACAAAGGAAGCAGAGGCTGCCAAAGTCTGCTGCCTTGTGGCCAAACAGGCAGAAAGCAG
 AAGTCAAGAGGGAGTCTCCACACGGGACAGAAGCACCATTGCAAGAATTCAGTTCGGCTGCCTGATGG
 TTCTTCTTTACAACCAGTTTCTTCTGATGCTCCTTTAGAAGAAGCAAGGCAGTTTGTGCACAGACT
 GTTGGCAACACATATGGTAATTTTTCACTAGCAACTATGTTTCCAGAAGAGAGTTCAACAGAGAGACT
 ATAAGAGGAAGCTGCTGGATCTGGAGCTGGCCCCAGCGCCTCTGTGGTGTGCTGCCAGCAGGACGGCC
 AGCCACATCCATTGTCCCCTCTTCTAGTGGAGACATTTGGACATTACTGGGAACGGTGCTTTATCCATTC
 CTGGCCATATGGAGACTAATTAGCAATTTTTTATTTAGTAATCCTCCTCCTGCACAGACTTCAGCAAGAG
 CCACGTCCACAGAGCCTTCAAACCTCGGCGTCATCCAGCAAGTCAGAGAAAAGGGAACCTGTCCGAAAAAG
 AGTGTGGAAAAACGAGGAGAAGACTTTAAAAAGGAGGGGAAAAATATACCGACTGCGGACTCAAGATGAC
 GGCGAAGATGAGAACAACACTTGGAAATGGGAATCCACGAGCAGAT**GTAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001012025

Insert Size: 1521 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:

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_001012025.1](#), [NP_001012025.1](#)

RefSeq Size: 2321 bp

RefSeq ORF: 1521 bp

Locus ID: 304766

UniProt ID: [Q5HZY0](#)

Cytogenetics: 13q13

Gene Summary: Involved in endoplasmic reticulum-associated protein degradation (ERAD). Acts as a platform to recruit both UBQLN1 and VCP to the ER during ERAD.[UniProtKB/Swiss-Prot Function]