

## Product datasheet for **RG207650**

### **UBXD2 (UBXN4) (NM\_014607) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	UBXD2 (UBXN4) (NM_014607) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	UBXD2
Synonyms:	erasin; UBXD2; UBXDC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG207650 representing NM\_014607  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCTGTGGTTCCAGGGCGCCATTCGGCCGCCATCGCGACGGCCAAAAGGAGCGGCGCGTCTTCGTGG  
 TGTTCTGGCAGGTGATGATGAACAGTCTACACAGATGGCTGCAAGTTGGGAAGATGATAAAGTTACAGA  
 AGCATCTTCAAACAGTTTTGTTGCTATTAATAATCGATACCAAAAGTGAAGCCTGCCTACAGTTTTACAA  
 ATCTATCTGTAGTGTGTGCCATCCAGTTTCTTTATTGGAGACAGTGAATTCCTTGGAAAGTAATAG  
 CAGGAAGTGTTCGAGATGAAGTTTACAAGAATTCACAAGTCCGACAGATGCATTTGCTAAAAAG  
 TGAAACATCAGTAGCAATGGCAGTCAGTCAGAAAAGTTCAGTGTCTACTCCATCTGCGTCATTTGAACCT  
 AACAACTTGTGAAAAGTCTCAGTCCAGAAAATGCAGAGCTTTGTGAGATACCACCCACTTCTGATACAA  
 AGTCAGATACTGCAACAGGAGGAGAAAGTGCAGGCCATGCCACTTCTCTCAGGAGCCTAGTGGATGCTC  
 AGATCAGAGACCTGCAGAGGACCTCAACATCCGAGTGGAAAGACTAACAAAAAACTTGAAGAAAGGAGA  
 GAAGAGAAAAGAAAAGAGGAAGAACAGAGAGAAAATTAAGAAGGAAATTGAGAGGAGAAAAACTGGAAAAG  
 AAATGTTGGATTAAAAAGAAAACAAGAAGAATTAACAAAAAGAAATGCTGGAGGAAAAGAAACAGAGA  
 GAAAGCAGAAGATAGGGCAGCTCGAGAACGTATAAAACAGCAGATTGCATTGGACCGTGCAGAGAGAGCT  
 GCTCGTTTTGCAAAGACAAGGAAGAAGTAGAGGCTGCCAAAGCTGCTGCCTTGTAGCAAAACAGGCAG  
 AAATGGAAGTCAAGAGGGAATCTTATGCAAGAGAAAGAAGCACTGTTGCAAGAATTAATTCGCTTCC  
 TGATGGTTCTTCCTTTACAAATCAGTCCCTTCTGATGCTCCTCTAGAAGAGGCAAGGCAGTTTGTGCA  
 CAGACTGTTGGCAACACTTACGGTAATTTTTCGTTAGCAACCATGTTCCAGGAGGGAATTTACCAAAG  
 AAGACCAACTGCATCCATTGTACACTCTCCAGCGGAGACATTTGGACCTTGTGGGAACAGTGCATTTAT  
 CCATTCCTGCCATCTGGAGATTAATTAGCAATTTCTTGTAGTAATCCGCCTCCACACAGACTTCAG  
 TGAGAGTAACATCGTCAGAACCCCAAACCTGCATCATCTAGCAAAATCAGAAAAAGGGAACAGTGAG  
 AAAAGAGTGCTGAAAAACGTGGAGACGACTTTAAAAAGGAGGGGAAAAATTTATAGATTAAGGACTCAA  
 GATGATGGTGAAGATGAAAAACAACACTTGAATGGAAATCCACTCAACAGATG

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG207650 representing NM\_014607  
 Red=Cloning site Green=Tags(s)

MLWFQGAIPAAIATAKRSGAVFVVFVAGDDEQSTQMAASWEDDKVTEASSNSFVAIKIDTKSEACLQFSQ  
 IYPVVCVPSSFFIGDSGIPLEVIAGSVSADELVTRIHKVRQMHLKSETSVANGSQSESSVSTPSASFEP  
 NNTCENSQSRNAELCEIPPTSDTKSDTATGGESAGHATSSQEPGSDQRPALDLNIRVERLTKKLEERR  
 EEKRKEEQREIKKEIERRKTGKEMLDYKRKQEEELTKRMLEERNREKAEDRAARERIKQQIALDRAERA  
 ARFAKTKEEVEAAKAAALLAKQAEMEVKRESYARERSTVARIQFRLPDGSSFTNQFSPDAPLEEARQFAA  
 QTVGNTYGNFSLATMFPREFTKEDYKKLLDLELAPSASVLLPAGRPTASIVHSSSGDIWTLGLTVLY  
 PFLAIWRLISNLFNPPPTQTSVRVTSSEPPNPASSSKSEKREPVRKRVLEKRGDDFKKEGKIYRLRTQ  
 DDGEDENNTWNGNSTQQM

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_014607

**ORF Size:** 1524 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\\_014607.4](#)

**RefSeq Size:** 4018 bp

**RefSeq ORF:** 1527 bp

**Locus ID:** 23190

**UniProt ID:** [Q92575](#)

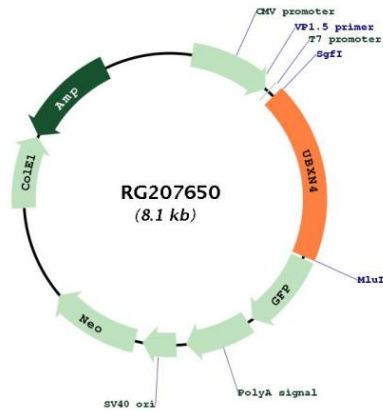
**Cytogenetics:** 2q21.3

**Domains:** UBX

**Protein Families:** Transcription Factors

**Gene Summary:** UBXD2 is an integral membrane protein of the endoplasmic reticulum (ER) that binds valosin-containing protein (VCP; MIM 601023) and promotes ER-associated protein degradation (ERAD) (Liang et al., 2006 [PubMed 16968747]).[supplied by OMIM, Mar 2008]

**Product images:**



Circular map for RG207650