

Product datasheet for SC111201

UBXD2 (UBXN4) (NM_014607) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UBXD2 (UBXN4) (NM_014607) Human Untagged Clone
Tag:	Tag Free
Symbol:	UBXD2
Synonyms:	erasin; UBXD2; UBXDC1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_014607, the custom clone sequence may differ by one or more nucleotides

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ATGCTGTGGTTCCAGGGCGCCATTCCGGCCGCCATCGCGACGGCCAAAAGGAGCGGCGGGTCTTCGTGG
TGTTTCGTGGCAGGTGATGATGAACAGTCTACACAGATGGCTGCAAGTTGGGAAGATGATAAAGTTACAGA
AGCATCTTCAAACAGTTTTGTTGCTATTAATAATCGATACCAAAGTGAAGCCTGCCTACAGTTTTACAA
ATCTATCTGTAGTGTGTGTTCCATCCAGTTTCTTTATTGGAGACAGTGGAAATCCCTTGGAAAGTAATAG
CAGGAAGTGTTCGCAGATGAAGTGTACAAGAATTCACAAGGTCGACAGATGCATTTGCTAAAAAG
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AGTCAGATACTGCAACAGGAGGAGAAAGTGCAGGCCATGCCACTTCTCTCAGGAGCCTAGTGGATGCTC
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GCTCGTTTTGCAAAGACAAGGAAGAAGTAGAGGCTGCCAAAGCTGCTGCCTTGTAGCAAAACAGGCAG
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TGATGGTTCTTCTTTACAAATCAGTTCCTTCTGATGCTCCTCTAGAAGAGGCAAGGCAGTTTGCTGCA
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AAGATTATAAAAAAGAAAGTACTGGATTTGAACTTGCCCAAGCGCTTCGGTGGTACTGTTGCCAGCAGG
AAGACCACTGCATCCATTGTACTCTTCCAGCGGAGACATTTGGACCTTGTGGGAACAGTGCTTTAT
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TGAGAGTAACATCGTCAGAACCCCAACCCTGCATCATCTAGCAAAATCAGAAAAAGGGAACAGTGAG
AAAAAGAGTGCTGAAAAACGTGGAGACGACTTTAAAAAGGAGGGGAAAAATTTATAGATTAAGGACTCAA
GATGATGGTGAAGATGAAAACAACACTTGAATGGAATTCCTCAACAGATGTAG

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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_014607 unedited</p> <pre>TTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGCCGAGAGCCGGAC GAAGACGGAGGGCGGAGCCGGCTTCGGGACTGCAGAGACTACACACCGAGCGAGCGCCTG GGCCCCAAGGGAGCGATGCTGTGGTTCCAGGGCGCCATTCGGCCGCCATCGCGACGGCC AAAAGGAGCGGCGCGGTCTTCGTGGTGTTCGTGGCAGGTGATGATGAACAGTCTACACAG ATGGCTGCAAGTTGGGAAGATGATAAAGTTACAGAAGCATCTTCAAACAGTTTTGTGCT ATTAATAATCGATACCAAAAGTGAAGCCTGCCTACAGTTTTCAAAATCTATCCTGTAGTG TGTGTTCCATCCAGTTTCTTTATTGGAGACAGTGAATTCCTTGGAAAGT AATAGCAGGA AGTGTTCCTGCAGATGAACTTGTACAAGAATTCACAAGGTCGACAGATGCATTTGCTA AAAAGTAAAACATCAGTAGCAAATGGCAGTCAGTCAGAAAAGTTCAGTGTCTACTCCATCT GCGTCATTTGAACCTAACAACTTGTGAAAACCTCAGTCCAGAAAATGCAGAGCTTTGT GAGATACCACCCACTTCTGATACAAAGTCAGATACTGCAACAGGAGGAGAAAAGTGCAGGC CATGCCACTTCTCTCAGGAGCCTAGTGGATGCTCAGATCAGAGACCTGCAGAGGACCTC AACATCCGAGTGGAAAGACTAACANANAACTTNGAGAAGGGAGAGAAGAGAAAAAGAAA GAGGGAGAACAGAGAGAAATTTAGAAGGGAATTGAGAGGAGAAAAACTGGAANAGAAATG TTGGNNTTATAAAAGAAACANGAAGAAGATTACCCAAAGAATGCTGGNAGGAANGAACA GAGAGAAAAGCCNAAGATAGGGCAGCTCGGAGACGTATAAAACAGCAAATTCATTGGNAC GTGCANNAGGAGCCTGCTCGNNTTGAA</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_014607 unedited</p> <pre>CGTCTTCTAGAACCGGCCCAATCANGATCGATTTTTTTTTTTTTTTTTTTTAGAATAT ATAATATGATCCATTTATTTAAAAAGATAAAGATTACATATTTGCTTATATACGCATAC AAATTTCTGAAAATTACATAAGAAATTGTTAATAGATTACCTCTGGAGAATAGTACTGG GGTAAGAGGTGAGGGGCAGAATTCATTTTACAGCCTTATATACTGTTGTGAATTTTT TTTTTGACCATGTACTTTTTAAAAATACAAAATTGAGGAGGGAACCTCCTACTCCAAAAT TACGAAGCATTCTTTATGTACATTTCTCTAAAAGTTATATTTGATTTTTCAAGGCAA ACTGACTTGAGGTACTCGATGTTTTTAAATGTATTTCTAATAATTATTAGTAGGGTCACA CCTATTTGACAGCTTTTTTAAAAAGTCACATATTGCTGTATTTTTAAAGATGACAAACCT TTATTTAAATGAGATGCTTGCTGGAGATTTTCTTTTTCAAACCTCACTTTTTAAGTTATGG AAATAATATCACTGCTGAAAGTTTGGAAAACATATATAAGGTGCCAAAAATACCACTAA AATCACATAAACCAATCTTACCATTATTAATGGTGTGATTTCTTTCTTTACATATCTATT AATACCTAGTACTATCTATGTAGAAAATGTGTTTGCAAAGCTGAGATCACACTGTACCTA TAGCTCTGGATCTGCTGCTTTTTCCCCCAACACTTAACAGATGCTCAGTAAACATGTTA AACCAAGTTGTTAATTAGTATTGTACCCATTTCTNCCTCATCAAAAATACTTCTATAGA AGCATTTANTTGGTTTCCAGTTTCTGAGTAAATAAATAACACTTATGAATATGCTTT</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_014607
Insert Size:	4000 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_014607.2](#), [NP_055422.1](#)

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]