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Product datasheet for SC313491

UBXN6 (NM_025241) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UBXN6 (NM_025241) Human Untagged Clone
Tag:	Tag Free
Symbol:	UBXN6
Synonyms:	UBXD1; UBXDC2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>SC313491 representing NM_025241.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAGAAATTCTTTCAGGAGTTCAAGGCCGACATCAAGTTCAAGAGCGCGGGACCCGGTCAGAAGCTC
AAAGAGTCCGTGGGGGAAAAGGCCCACAAAGAGAAGCCCAACCAGCCAGCCCCCAGGCCGCCCCGCCAG
GGACCCACCAATGAGGCACAGATGGCAGCCGCTGCCGCCCTAGCCCGGCTGGAGCAGAAGCAGTCCCGG
GCCTGGGGCCCCACATCGCAGGACACCATCCGAAACCAGGTGAGAAAGGAACTTCAAGCCGAAGCCACC
GTCAGCGGGAGCCCCGAGGCCCCAGGGACCAACGTGGTATCTGAGCCCAGAGAGGAAGGCTCTGCCCAC
CTGGCTGTGCCTGGCGTGTACTTCACCTGTCCGCTCACTGGGGCCACCCTGAGGAAGGACCAGCGGGAC
GCCTGCATCAAGGAGGCCATTCTCTTGCACTTCTCCACCGACCCAGTGGCCGCCTCCATCATGAAGATC
TACACGTTCAACAAAGACCAGGACCGGGTGAAGCTGGGTGTGGACACCATTGCCAAGTACCTGGACAAC
ATCCACCTGCACCCCGAGGAGGAGAAGTACCGGAAGATCAAGCTGCAGAACAAGGTGTTTCAGGAGCGC
ATTAACTGCCTGGAAGGGACCCACGAGTTTTTTGAGGCCATTGGGTTCCAGAAGGTGTTGCTTCCCGCC
CAGGATCAGGAGGACCCCGAGGAGTTCTACGTGCTGAGCGAGACCACCTTGGCCCAGCCCCAGAGCCTG
GAGAGGCACAAGGAACAGCTGCTGGCTGCGGAGCCCGTGCGCGCCAAGCTGGACAGGCAGCGCCGCGTC
TTCCAGCCCTCGCCCCTGGCCTCGCAGTTCGAACTGCCTGGGGACTTCTTCAACCTCACAGCAGAGGAG
ATCAAGCGGGAGCAGAGGCTCAGGTCCGAGGCGGTGGAGCGGCTGAGCGTGCTGCGGACCAAGGCCATG
CGGGAGAAGGAGGAGCAGCGGGGGCTGCGCAAGTACAACTACACGCTGCTGCGCGTGCGCCTCCCCGAT
GGCTGCCTCCTGCAGGGCACTTTCTACGCTCGGGAGCGGCTGGGGGCGGTGTACGGGTTCGTCCGGGAG
GCCCTGCAGAGCGACTGGCTGCCTTTTGAGCTGCTGGCCTCGGGAGGGCAGAAGCTGTCCGAGGACGAG
AACCTGGCCTTGAACGAGTGCGGGCTGGTGCCCTCTGCCCTCCTGACCTTCTCGTGGGACATGGCTGTG
CTGGAGGACATCAAGGCCGCGGGGGCCGAGCCGGACTCCATCCTGAAACCCGAGCTCCTGTCAGCCATC
GAGAAGCTCTTGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

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Restriction Sites:	SgfI-MluI
ACCN:	NM_025241
Insert Size:	1326 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_025241.2
RefSeq Size:	1933 bp
RefSeq ORF:	1326 bp
Locus ID:	80700
UniProt ID:	Q9BZV1
Cytogenetics:	19p13.3
Domains:	UBX, PUG
MW:	49.8 kDa
Gene Summary:	May negatively regulate the ATPase activity of VCP, an ATP-driven segregase that associates with different cofactors to control a wide variety of cellular processes (PubMed:26475856). As a cofactor of VCP, it may play a role in the transport of CAV1 to lysosomes for degradation (PubMed:21822278, PubMed:23335559). It may also play a role in endoplasmic reticulum-associated degradation (ERAD) of misfolded proteins (PubMed:19275885). Together with VCP and other cofactors, it may play a role in macroautophagy, regulating for instance the clearance of damaged lysosomes (PubMed:27753622).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longer isoform (1).