

## Product datasheet for **SC317813**

### UBXD5 (UBXN11) (NM\_145345) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	UBXD5 (UBXN11) (NM_145345) Human Untagged Clone
Tag:	Tag Free
Symbol:	UBXD5
Synonyms:	COA-1; PP2243; SOC; SOCI; UBXD5
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_145345, the custom clone sequence may differ by one or more nucleotides ATGAGCTCACCTTTGGCCTCCCTTAGCAAGACCCGAAAAGTGCCCTGCCCTCGGAGCCT ATGAATCCTGGGAGGCGAGGAATCCGCATCTATGGAGATGTCCTGCATCCCATGACTCG GAGCTGATGGCCTTCATGACGAGGAAGTTGTGGGACCTGGAGCAGCAGGTGAAGGCCAG ACTGATGAGATACTGTCCAAGGATCAGAAGATAGCGGCCCTAGAGGACCTGGTGCAGACC CTCCGGCCACACCCAGCCGAGGCAACCCGCAGCGGCAGGAGGAAGTGGAGACGATGTGT GTGCAGCTGCAGCGGCAGGTGAGGAGATGGAGCGGTTCCCTCAGTACTATGGCCTGCAG TGGGTGGGCGAGCCCATGGACCAGGAGGACTCAGAGAGCAAGACAGTCTCAGAGCATGGC GAGAGGGACTGGATGACAGCCAAGAAGTTCTGGAAGCCAGGGGACTCATTGGCGCCCCCT GAGGTGGACTTTGACAGGCTGCTGGCCAGCCTGCAGGATCTTAGTGAGCTGGTGGTAGAG GGTGACACCCAAGTGACACCAAGTCCCGCGGGGCACGGCTGCGTACCCTCGAGCCCATC CCGCTGAAGCTCTACCGAATGGCATCATGATGTTGACGCGGCCCTTCCAGCCCTTCTAC GATCCCTCCACACAGCGCTGCCTCCGAGACATATTGGATGGCTTCTTCCCTCAGAGCTC CAGCGACTGTACCCCAATGGGGTCCCCTTTAAGGTGAGTGACTTGCGCAATCAGGTCTAC CTGGAGGATGGACTGGACCCCTTCCAGGCGAGGGCCGTGGTGGGCAGGCAGCTGATG CACAAGGCCTTGGACAGGTTGGAGGAGCACCAGGCTCCAGGATGACTGCTGAGAAATTT CTGAACAGGCTCCCAAGTTGTGATCCGCAAGGCGAGGTGATTGACATCCGGGGCCCC ATCAGGGACACCTTGCAAACTGCTGCCATTGCCTGCCCGGATCCAGGAGATTGTGGTG GAGACGCCACCTTGGCCGCTGAGCGAGAGAGGAGCCAGGAGTACCCAAACACGCCGGCA CCCCCGCTCTCCATGCTGCGCATCAAGTCTGAGAATGGGGAACAGGCCTTCTACTGATG ATGCAGCCTGACAACACCATTGGGGACGTGCGAGCTCTGTAGCGCAGGCCAGGGTCATG GATGCCTCTGCCTTTGAGATCTTACGACATTCCCGCCACCCTCTACCAGGACGATACA CTCAGCTGCAGGCTGCAGGCCCTTGTGCCAAAGCAGCACTGCTGCTGCGGGCACGCCGA GCCCGAAGTCCAGCCTGAAATTCAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG AGTCCCGGTCCCGGTCCCGGCCCAAGTCCCGGTCCCGGTCCCGGTCCCGGTCCCGGTCCCG GGACCCAGTCCAGCCCCAA
Restriction Sites:	Please inquire
ACCN:	NM_145345



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_145345.2</a> , <a href="#">NP_663320.2</a>
<b>RefSeq Size:</b>	1864 bp
<b>RefSeq ORF:</b>	1464 bp
<b>Locus ID:</b>	91544
<b>UniProt ID:</b>	<a href="#">Q5T124</a>
<b>Cytogenetics:</b>	1p36.11
<b>Domains:</b>	UBX
<b>Gene Summary:</b>	<p>This gene encodes a protein with a divergent C-terminal UBX domain. The homologous protein in the rat interacts with members of the Rnd subfamily of Rho GTPases at the cell periphery through its C-terminal region. It also interacts with several heterotrimeric G proteins through their G-alpha subunits and promotes Rho GTPase activation. It is proposed to serve a bidirectional role in the promotion and inhibition of Rho activity through upstream signaling pathways. The 3' coding sequence of this gene contains a polymorphic region of 24 nt tandem repeats. Several transcripts containing between 1.5 and five repeat units have been reported. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) differs in the 5' UTR and lacks an alternate in-frame exon in the 5' coding region, compared to variant 2. The resulting protein (isoform 1) is shorter than isoform 2.</p>