

Product datasheet for SC317052

FBXO45 (NM_001105573) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FBXO45 (NM_001105573) Human Untagged Clone
Tag:	Tag Free
Symbol:	FBXO45
Synonyms:	Fbx45
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317052 representing NM_001105573. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGGCGCGGCCCGGGGGCTGGGGCAGCCTCGGGCGGCGCTGGCTGTAGCGGCGGCGCGCGGGC
GCGGGCGCGGGCTCGGGCTCTGGGGCGCGGGGGCGGGGGCGGGCTGCCAGCCGGGTGCTGGAGTTG
GTGTTCTCTTACCTGGAGCTGTCCGAGCTGCGGAGCTGCGCCCTGGTGTGCAAGCACTGGTACCGCTGC
CTGCACGGCGATGAGAACAGCGAGGTGTGGCGGAGCCTGTGCGCCCGCAGCCTGGCAGAAGAGGCTCTG
CGCACGGACATCCTGTGCAACCTGCCAGCTACAAGCCAAGATACGTGCTTTTCAACATGCCTTCAGC
ACTAATGACTGCTCCAGGAATGTCTACATTAAGAAGAATGGCTTTACTTTACATCGAAACCCATTGCT
CAGAGCACTGATGGTGCAAGGACCAAGATTGGTTTCAGTGAGGGCGGCCATGCATGGGAAGTGTGGTGG
GAGGGCCCTCTGGGCACTGTGGCAGTGATTGGAATTGCCACAAAACGGGCCCCCATGCAGTGCCAAGGT
TATGTGGCATTGCTGGGCAGTGATGACCAGAGCTGGGGCTGGAATCTGGTGGACAATAATCTACTACAT
AATGGAGAAGTCAATGGCAGTTTTCCACAGTGCAACAACGCCACCAAAATATCAGATAGGAGAAAGAATT
CGAGTCATCTTGGACATGGAAGATAAGACTTTAGCTTTTGAACGTGGATATGAGTTCTGGGGGTTGCT
TTAGAGGACTTCAAAGGTCTGCTTATACCCAGCAGTTTCTGCTGTATATGGCAACACAGAAGTGACT
TTGGTTTACCTTGAAAACTTTGGACGGATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

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Restriction Sites:	SgfI-MluI
ACCN:	NM_001105573
Insert Size:	861 bp


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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:	<ol style="list-style-type: none"> 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:	<u>NM_001105573.1</u>
RefSeq Size:	5743 bp
RefSeq ORF:	861 bp
Locus ID:	200933
UniProt ID:	<u>P0C2W1</u>
Cytogenetics:	3q29
Protein Families:	Druggable Genome
MW:	30.6 kDa
Gene Summary:	Members of the F-box protein family, such as FBXO45, are characterized by an approximately 40-amino acid F-box motif. SCF complexes, formed by SKP1 (MIM 601434), cullin (see CUL1; MIM 603134), and F-box proteins, act as protein-ubiquitin ligases. F-box proteins interact with SKP1 through the F box, and they interact with ubiquitination targets through other protein interaction domains (summary by Jin et al., 2004 [PubMed 15520277]).[supplied by OMIM, Jan 2011]