

Product datasheet for **SC315850**

FBXO41 (NM_001080410) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FBXO41 (NM_001080410) Human Untagged Clone
Tag:	Tag Free
Symbol:	FBXO41
Synonyms:	FBX41
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC315850 representing NM_001080410.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
ATGGCCTCGCTGGACCTGCCGTACCGCTGCCCCGCTGCGGGGAGCACAAGCGCTTCGGAGCCTGTCTG
TCGCTGCGCGCGCACCTGGAGTACAGCCACACCTACGAGACGCTCTACATCCTCTCCAAGACCAACAGC
ATCTGCGACGGCGCCGCCGCCGCCGCCGCCGCCGCCGCTGCCTCGGGGTTCCCGCTGGCTCCCGAG
CCCGCCGCCCTGCTGGCCGTGCCGGCGCCGCCGCCGAGAGGTCTTCGAGAGCACTTCCTCCAGGGCAAG
GAGCAGGCGGGCGGCCGTGCCGCCGCCGCCGCCGACCTGCTGCACCACCACCATCACCACGCTCCCCTC
GCCACTTCCCGCGCACCTGGTGCCCGCTAGCCTGCCCTGTGAGGAGTTGCCGAGCGGGCCCTGTG
CCCGCGCAGCAGCGCGCTATGCGCTGCGCGAGATCGAGATCCCGCTGGGGGAGCTGTTCCGCCCGCAAG
TCCGTGGCGTCTCGCGGTGCTCGACGCCGCCGCTGGCCCCGGCCCCGGCCCTGCCCGGGCCTGCC
TCCGTTCCGCCCGCTCCCCCTCACCCGCTGATGTGGCTACGAAGAGGGCTGGCGCGCTCAAGATC
CGCGCGCTGGAGAAGCTGGAGGTGGACCGCGGCTGGAGCGGCTGAGCGAGGAGGTGGAGCAGAAGATC
GCGGGCCAGGTGGCCGGCTGCAGGCCGAGCTGGAGCGCAAGGCGGCCGAAGTGGAGACTGCGCGGCAG
GAGAGTGCAGGCTCGGGCGCAGAGAAGGAGGAGCTGGAGGAGCGCGCTGTAGCTCTCCCGCCAGGTG
GACGTGAGCGTAGAGCTGCTGGCCTACTCAAGCAGGACCTGGTGCACAAGGAACAGGAGCTGAGCCGC
AAGCAGCAGGAGGTGGTGCAGATCGACCAGTTCTGAAGGAGACGGCGGCCGGGAGGCCAGCGCCAAG
CTGCGGCTGCAGCAGTTCATTGAGGAGCTCCTTGAGCGGGCTGACCGTGCCGAGCGGCAGCTGCAGGTC
ATCAGCAGCAGCTGTGGCAGCACGCCAGCGCCAGCTGGGCCGTGGAGGTGGGGCGGTGGTGTGGA
CCCAATGCCCGGGGCCAGGCAGAATGCGAGAACACCACGTGGGCCCGGCCGTGCCTAACACATATGCA
GTGTACGGCATGGCTCCTCTCCGAGCACAGGGGCCCTCCAGCCGTGTGCCAGCCGCATCCAGAGCTCA
GGCTGCTATGACAGTGACAGTCTGGAGCTGCCAGGCCAGAGGAGGGGGCCCTGAGGACAGTGGCCCT
GGGGGCTTGGGCACACGGGCCAGGCTGCCAACGGGGCTCAGAGCGGTCCCAGCCCCCTCGCAGTCA
GGCTGCGGCCAGGCCATCCAGAAGTGGCAGCGCAGACCCGCCGACAGACAGACTGAGGGGGAAGAG
GGTGATGTCTCCGACGTTGGCTCCGAACCACTGAGTCAGAGGCTGAGGGCCGTTGGATGCGCCCGC
CCCGGGCTGCTATGCTGGGCCATTGAGCAGCTGCCGGCTCTCAGCCCGGCCGAGGGAGGCAAGTGG
CGGGGTGCGCGAGCAGAGAGGTGAGCCCTCAGCTCCAATGAGGTCTCAGCCAGAGATCCTGAAG
ATGCGAGCTGCCCTCTCTGCATCTTACCTACCTGGACACGCGCACACTGCTGCATGCTGCCGAGGTG
TGCCGGGACTGGCGTTCGTGGCCCGCCACCCGAGTCTGGACAAGGTGCTGCTTGAGAATGCCCGT
GTCTGCTCCAAGTCTCTGGCAATGCTGGCTCAGTGGTGCACCCAGGCCACTCTCTGAGCTGCAGAAC
TTGAAGCCCCGCGAGCGGGAAAGAAGGAGAGCAAGGAGGAGTATGCCCGGAGCACCCGGGGCTGCCTG
GAAGCTGGGCTGGAGTCCCTGCTGAAGGCAGCTGGGGGGAACCTGCTGATCTGCGCATCTCCCACTGT
CCAAACATCCTCACCGACCGCTCGCTCTGGCTGGCCAGCTGCTACTGCCGTGCCCTGCAGGCTGTACG
TACAGGAGTGCCACAGACCCCGTGGCCATGAGGTCAATTTGGGCCCTGGGCGCAGGCTGCAGAGAGATC
GTCTCCCTCCAAGTGGCACCCTTACCCCTGCCAGCAGCCACACGCTTCAGTAACCGCTGCCTGCAG
ATGATTGGTGCCTGTTGGCCCCACCTGCGGGCCCTGGGGGTGCGGGGTGCCGGCTGTGGGTGCAGGGC
CTGGCATCACTCGCGAGAACTGCATGCGGCTGCAGGTCTGGAGCTTGACCACGTGTGCAGAGTACAC
CAGGAGGTGGCAGCAGAGGTCTGCCGGAAGGCCGAAGGGACTGGAGATGCTGGTGTCTACGGCGACT
CCCGTACCCCTAAGGCCCTACTGCACTTCAACAGCATCTGCCGGAACCTCAAGTCCATTGTGGTCCAG
ATTGGGATTGCGGATTATTTCAAAGAGCCCAGCAGCCCTGAGGCCAGAACTGTTTGAGGACATGGTG
ACAAACTCCAGGCTCTGCGACGGAGGCCCGGCTTCTCTAAGATTCTGCACATCAAGGTGGAAGCGGC
TGCTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001080410
Insert Size:	2628 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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 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_001080410.2](#)

RefSeq Size: 6939 bp

RefSeq ORF: 2628 bp

Locus ID: 150726

UniProt ID: [Q8TF61](#)

Cytogenetics: 2p13.2

MW: 94.5 kDa

Gene Summary: This gene encodes a member of the F-box protein family, which is characterized by an approximately 40 amino acid motif, the F-box. F-box proteins constitute one of the four subunits of the SCF ubiquitin protein ligase complex that plays a role in phosphorylation-dependent ubiquitination. F-box proteins are divided into three classes depending on the interaction substrate domain each contains in addition to the F-box motif: FBXW proteins contain WD-40 domains, FBXL proteins contain leucine-rich repeats, and FBXO proteins contain either different protein-protein interaction modules or no recognizable motifs. The protein encoded by this gene belongs to the FBXO class. [provided by RefSeq, Feb 2014]