

## Product datasheet for SC127364

### F box protein 38 (FBXO38) (NM\_030793) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	F box protein 38 (FBXO38) (NM_030793) Human Untagged Clone
Tag:	Tag Free
Symbol:	F box protein 38
Synonyms:	Fbx38; HMN2D; MOKA; SP329
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127364 sequence for NM_030793 edited (data generated by NextGen Sequencing)

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ATGGGGCCACGAAAGAAAAGTGTGAAAACATGTATCATGAATAATGAAATTCAGAAGAA
ATGACAGCAGATGAAACAAGGACTATATGAATCAACTTTCACATGAAGTACTTTGCCAT
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TGTGATGTCAATGGAGAGCCAGTTGAAGATGACTACATTTAA
    
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Clone variation with respect to NM\_030793.3

**5' Read Nucleotide Sequence:**

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>OriGene 5' read for NM_030793 unedited
GCGGCCGCGAATTCGCACGAGGGTCGGCGTAGGTAAGTCAAGTAAACAAAAGG
GAAGATTTTCTCGTTGATACTGGAGACTGCACAACAATGGGGCCACGAAAGAAAAGTGTG
AAAACATGTATCATGAATAATGAAATTCAGAAGAAATGACAGCAGATGAAACAAAGGAC
TATATGAATCAACTTTCATGAAAGTACTTTGCCATATTTTATAGTACCTCCCTCTGCAG
GATATCATGTGTATGGAATGTCTTTCCCGAAGCTAAAGGAAGCAGTGACCCATATCTG
CGAGTTGTGAGAGTTGTAGATCTCTGTGCAGGGCGGTGGTGGGAATACATGCCAAGTGGC
TTTACAGATGCCAGTTTCTAACACTATTAAGAAGATGCCAGATGTTGAACAGCTATAT
GGCCTTACCCTCGATACCTTGAGAGGCGAAGAGTAAGGGGCCATGAGGCTTTTAGCATT
CCAGGAGTCTAGAAGCTTTGCAGGCATGCCAAACTTAGTGGGTGTGAAACTTCTCAT
TTGGAGTTGGTAGAATCCATTTGGACATATATGCCCATGTTTCATATTTTGGGAAATTT
CGTAATCGTAATGGAGCTTTTCCAATTCCTCCTGAAAATAAACTGAAAATTCCTATAGGA
GCCAAAATTCAAAATTTACATTTAGTTGGGGGGGAATGGTNCCTGAAAATTCCTTGGTATC
CCAATGCTAAGGCACCTTTTATGAAGNGGGGGTAANGACTCACTANACCACAGCCATTT
AAAGACTTCTTTGTATCAGCTTAAGAATTTCTGCATGAGGAAGTGGTGCAGGACCCAC
AAATNCCTGAAATATGTCCTTTAGTAACAGG
    
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<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_030793 unedited</p> <pre>TTACTTTGGACCGCGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTAA GTTTTTAATAAATTTTTATTTTATTCAAGATAAAGCATATACACAATCAATGTGGAA ATAAATTACTAGAAATACTCTGGAACTTTCCATTTCCCTCTCAAACACTCACTTTTTTT AAGCTCATAAGTCTTTTTACTTGATTTTAAGAAACATGGCAACTATAATACTAAGAAAGA ACTACAGCTTTGTACAGAAACATAGAGCCTTGCTTGACTATAAGGTTTAGTTGGTGT TAATAACAACAAAAAAGCACACAAGACACAACACTCTTCAACAGGTTTACTCAAACAGC TTCGCTCAAGAAGAAAAAGGCACAGATATAAAGGGATGACAATAATCATTAAAGAAATGAAG TAAATGGAGACTCAGTCAAAAAATGATACTTCATGAATTAAGTCAAGAAAAACAAAAAGTC TTTTCAATTATCTGTCTTCTTAAAAATGAATTTTTAAATTAATTTGTATAAACATATGAT ATAAAGTTGGTACTTTAGGAAGCGTCTTTGTATATTTTTTATGTACAAATCTTTGTATAC AATTTTCGATGTTCTTATATATTCCTACATAGCAAACCGAGCCAGGACCTCCCAACTGC ATGCCTCAAGTCCCTGTGGAGCACTCTGGCAGCTGGATGGCCCTACTTGTCTNTCTGACAA ATAGCTGGAAGGGNAGGAGGGACCAATAATGTAGTCATCTTCACTGGCTCTCCATGGACA TACATAGTGGATAAAATGCCACTACTGCTGAATACACCCTTCTCACTGACGCTCTCTGAA ATTCTCTCCTATGGTTACATACAGAGTCTGCGACGCTGGCCTTTNCTCTAGGAGCTAGAAG GGCTTCTTCATCGCTCAAGTCGATCGCGAGCTGTGGGCTTGACACCTGAATGA</pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_030793
<b>Insert Size:</b>	4540 bp
<b>OTI Disclaimer:</b>	<p>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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<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_030793.3</a> , <a href="#">NP_110420.3</a>
<b>RefSeq Size:</b>	4190 bp

RefSeq ORF: 3342 bp

Locus ID: 81545

UniProt ID: [Q6PII6](#)

Cytogenetics: 5q32

Protein Families: Druggable Genome

**Gene Summary:** This gene encodes a large protein that contains an F-box domain and may participate in protein ubiquitination. The encoded protein is a transcriptional co-activator of Krueppel-like factor 7 (Klf7). A heterozygous mutation in this gene was found in individuals with autosomal dominant distal hereditary motor neuropathy type IID. There is a pseudogene for this gene on chromosome 4. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2013]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).