

Product datasheet for **RG235066**

F box protein 38 (FBXO38) (NM_001271723) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	F box protein 38 (FBXO38) (NM_001271723) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	F box protein 38
Synonyms:	Fbx38; HMN2D; MOKA; SP329
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG235066 representing NM_001271723
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGGCCACGAAAGAAAAGTGTGAAAACATGTATCATGAATAATGAAATTCAGAAAGAAATGACAGCAG
 ATGAAACAAAGGACTATATGAATCAACTTTCACATGAAGTACTTTGCCATATTTTAGGTACCTCCCTCT
 GCAGGATATCATGTGTATGGAATGTCTTCCCGGAAGCTAAAGGAAGCAGTGACCCTATATCTCGGAGTT
 GTGAGAGTTGTAGATCTCTGTGCAGGGCGGTGGTGGAAATACATGCCAAGTGGCTTTACAGATGCCAGTT
 TTCTAACACTATTAAGAAGATGCCAGATGTTGAACAGCTATATGGCCTTACCCTCGATACCTTGAGAG
 GCGAAGAGTAAGGGGCCATGAGGCTTTTAGCATTCCAGGAGTCTAGAAGCTTTCAGGCCATGCCAAAC
 TTAGTGGTGTGGAACTTCTCATTGGAGTTGGTAGAATCCATTTGGACATATATGCCCATGTTCCATA
 TTTTGGGAAAATTCGTAATCGTAATGGAGCTTTTCCAATTCCTCTGAAAATAAAGTAAAATTCCTAT
 AGGAGCCAAAATTCAACTTTACATTTAGTTGGGTGAATGTTCTGAAATTCCTTGATCCCAATGCTA
 AGGCACCTTTATATGAAGTGGTAAGACTCACTAAACCACAGCCATTTAAAGACTTCCTTTGTATACAGT
 TAAGAACTTTCGTCATGAGGAAGTGTGCAGGACCCACAAATTCCTTGAATATGTCCCTTGTAAACAGG
 CTTAGCCTCTGCCGAAACTTGGAACTTAGAAATGGTTCGAGTTCCCTTTCCTTGGAGGCTTATCCAA
 CATGTTGTTGAAGACAGTTGGAGATCAGGTGGTTTTAGAAATTTGCACACTATTGTTCTGGGAGCTTGCA
 AAAATGCTCTTGAAGTAGATCTTGGTTACCTCATCATTACTGCTGCCGTAGGTTACATGAAGTTCGGAT
 CCAGCCTTCCCTAACCAAGATGGTGTCTTTCTGCCCTAAAGATGGCAGAGTTGGAGTTTCCCAGTTT
 GAAACCTTTCATCTAGGATATGTAGATGAGTTTTGCTACAGAGCAGAATGGCTAATCGCGATCTGGTGA
 AGTATGGTTTTGGCTGATGTGGTAGAAAATCCTGGTATCATCACTGATATAGGGATGAAAGCAGTCAATGA
 AGTTTTTTCCTGTATCAAAATATCTGGCAATTTACAATTGCCCTCATCTACACAACCCATACAATTGGATC
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 ACCCAAGGGTTGTCTCGAGTTGGTCTGAGTGCAGGCACAGGAATTGGTGTTCATCAGCTCTTGTAGC
 AACCAAGACTCCAACAATGACGATAAATGCCCAGAATAACAATGCCAACATCCACGACAACAATCACC
 ATCATCCAGATGACTCAGACGAGGAGAATGACTTTCGGCAAGATCTGCAGCCAGGAGCAGCAGTTTGC
 AGCTGACGCATTAATGAGATGGAAGACATCGTCCAAGAAGATGGAGAGTGGTGGCCGAGAGTGGAAAT
 AATACTCCAGCTCACAGCCAGGCAATTATCCTGTGGATGTTGATGAGGAACAAGCAGGACCCAGTGGTC
 TTCAGCGTGTAGTAAAACCAACCTCAATTAAGTTCATGATTCAGAGAGTGTATGAAGAAGATAGTCT
 AGAACTCCAAGAAGTCTGGATTCTAAGAACGGTACTCGCGCTTACTCTGAACGTGAAGAAAAAAGTGGGA
 GAGTCAGTGCAGTCCAGAGAATTGTGAGAAGTAGCCAAAACAAAGCCACGTACGCCATGAAACGGGAAGC
 GGACAGCAGATAAATCCACTAGTACAAGTATCCTGTGATCGAGGATGACCATGTGCAGGTTCTTGTATT
 AAAATCCAAGAATCTTGTGGAGTCACTATGACCAATTGTGGAATCACAGATCTAGTGCTAAAAGACTGT
 CCAAAGATGATGTTTCCATGCTACCAGGTGCAGGGTACTAAAACATTTAAAGGTAGAAAATGCACCAA
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 AATGCCACCCGAGAGAAACCGCATCATATACCTACGCCAATGCAGCAGGTGGACACTCTAACTTTGGAG
 CAGAAGCTATTTAGTGGTCCCTACCCTATCACATCTGTATTATCCATGAATTCAGTAACCTCCCAATG
 TCCGGAATAAGGTGCGCATTTCGAGCTGGATGGACACTATAGCAAACATCAATCAAGAGCTCATTAAATA
 TGAATCTTCCCTGAAGCCACTCGAAGTGAAGAAGACTTAAAGAAATACCCCAAGTACCCTGGGGGAGA
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 GGTCAATACGAGCTGCAGAGCCCAACAGCTTCGCTCGATACGACTTTGAAGACGATGAAGAAAGCACTAT
 CTATGCTCCTAGAAGGAAAGGACAGCTGTCTGCAGACATCTGTATGGAACAATAGGAGAGGAAATTTCA
 GAGATGCGTCAGATGAAGAAGGGTGTATTCAGCGAGTAGTGGCAATTTTATCCACTATTGTGATGTCA
 ATGGAGAGCCAGTTGAAGATGACTACATT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG235066 representing NM_001271723
 Red=Cloning site Green=Tags(s)

MGPRKKS VKTCIMNNEIPEEMTADETKDYMNQLSHEVLCHIFRYLPLQDIMCMECLSRKLKEAVTLYLRV
 VRVVDLCAGRWEYMPSGFTDASFLTLLKKMPDVEQLYGLHPRYLERRRVRGHEAFSIPGVLEALQACPN
 LVGVETSHLELVE SIWYMPHVHILGKFRNRNGAFPIPPENKLIKIPGAKIQTLHLVGVNVPEIPCIPML
 RHYMKWVRLTKPQPFKDFLCISLRTFVMRNCAGPTNSLK YVPLVTGLASARNLEHLEMVRV PFLGGLIQ
 HVVEDSWRS GGFRLHTIVLGACKNALEVDLGYLIITAARRLHEVRIQPSLTKDGVF SALKMAELEFPQF
 ETLHLGYVDEFL LQSRMANADLVKYGLADVVENPGIITDIGMKAVNEVFSCIKYLA IYNCPLHNPYNWI
 SDHSRWTRLVDINLVRCHALKLDSFGQFIELLPSLEFISLDQMFREPPKGCARVGLSAGTGIGVSSALVS
 NQNSNDDNNAQNNNANIHDNNHHHPDSDSEENDFRQDLQPGEQQFAADALNEMEDIVQEDGEVVAESGN
 NTPAHSQAIIPVDVDEEQAGPSGLQRVVKPTSITVHDESDDEEDSLELQEVWIPKNGTRRYSEREKGTG
 ESVQSRELSEVAKTKPRHAMKRRTADKSTSTSDPVIEDDHVQVLVLSKKNLVGVTMTNCGITDLVLKDC
 PKMMFIHATR CRVLKHLKVENAPIVNRFDYAQCKKLNMDQVLDQILRMPPERNRIIYLRPMQQVDLTLE
 QKLFSGPYPHYICIIHEFSNPPNVRNKVIRSWMDTIANINQELIKYEFFPEATRSEEDLKYPKYPWGR
 EITYTLEGVVDGAPYSMISDFPWLRLSRAAEPNSFARYDFEDDEESTIYAPRRKGQLSADICMETIGEEIS
 EMRQMKKGVFQRVVAIFIH YCDVNGEPVEDDYI

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

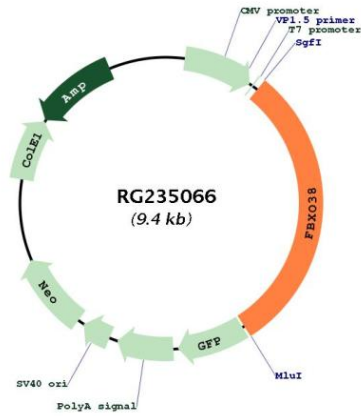


ACCN: NM_001271723

ORF Size: 2829 bp

OTI Disclaimer:	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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001271723.1 , NP_001258652.1
RefSeq Size:	3712 bp
RefSeq ORF:	2832 bp
Locus ID:	81545
UniProt ID:	Q6PIJ6
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 neuronopathy type IID. There is a pseudogene for this gene on chromosome 4. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2013]

Product images:



Circular map for RG235066