

Product datasheet for **RG239126**

FBXL4 (NM_001278716) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FBXL4 (NM_001278716) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FBXL4
Synonyms:	FBL4; FBL5; MTDPS13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG239126 representing NM_001278716.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGTCACCGGTCTTTCCCATGTTAACAGTTCTGACCATGTTTTATTATATATGCCTTCGGCGCCGAGCC
AGGACAGCTACAAGAGGAGAAAATGATGAACACCCATAGAGCTATAGAATCAAACAGCCAGACTTCCCCT
CTCAATGCAGAGGTAGTCCAGTATGCCAAAGAAGTAGTGGATTTAGTTCCCATTTATGGAAGTGAGAAT
AGTATGTCCTATACTATGTGGAATTTGGCTGGTGTACCAATGTATTCCCAAGTTCTGGTACTTTACT
CAGACAGCTGTGTTTCGAACTTATGGGACATGGTGGGATCAGTGTCTAGTGCTTCTGCCATTCAAG
AGGACGCCACCTAATTTTCAGAGCCAGGACTATGTGGAACCTACTTTTGAACAACAGGTGTATCCTACA
GCTGTACATGTTCTAGAAACCTATCATCCCGGAGCAGTCAATAGAATTCTCGTTGTTCTGCAAATCCT
TATTTCCCAAATCCACCAGCTGAAGTAAGATGGGAGATTCTTTGGTCAGAGAGACCTACGAAGGTGAAT
GCTTCCCAAGCTCGCCAGTTTAAACCTTGTATTAAGCAGATAAAATTTCCCACAAATCTTATACGACTG
GAAGTAAATAGTTCTCTTCTGGAATATTACACTGAATTAGATGCAGTTGTGCTACATGGTGTGAAGGAC
AAGCCAGTGCTTTCTCTCAAGACTTCACCTATTGACATGAATGATATAGAAGATGATGCCTATGCAGAA
AAGGATGGTTGTGGAATGGACAGTCTTAAACAAAAGTTTAGCAGTGCTGTCTCGGGGAAGGGCCAAAT
AATGGGTATTTTGATAAACTACCTTATGAGCTTATTCAGCTGATTCTGAATCATCTTACACTACCAGAC
CTGTGTAGATTAGCACAGACTTGCAAACACTGAGCCAGCATTGCTGTGATCCTCTGCAATACATCCAC
CTCAATCTGCAACCATACTGGGCAAACTAGATGACACTTCTCTGGAATTTCTACAGTCTCGCTGCACT
CTTGTCCAGTGGCTTAAATTTATCTTGGACTGGCAATAGAGGCTTCATCTCTGTTGAGGATTTAGCAGG
TTTCTGAAGGTTTGTGGATCCGAATTAGTACGCCCTGAATTGTCTTGCAGCCACTTTCTTAAATGAACT
TGCTTAGAAGTTATTTCTGAGATGTGTCAAATCTACAGGCCTTAAATCTCTCTCTGTGATGACACTA
CCACCTCAAGCTTTCAACCACATTGCCAAGTTATGCAGCCTTAAACGACTTGTTCTCTATCGAACAAAA
GTAGAGCAAACAGCACTGCTCAGCATTTTGAACCTTCTGTTGAGAGCTTACGACCTCAGTTTAGGCACT
TGTGTCATGATTGAAGACTATGATGTGATAGCTAGCATGATAGGAGCCAAGTGTAAAAAAGTCCGGACC
CTGGATCTGTGGAGATGTAAGAATATTACTGAGAATGGAATAGCAGAAGTGGCTTCTGGGTGCCACTA
CTGGAGGAGCTTGACCTTGGCTGGTGCCTCACTGAGAGCAGCACCAGGCTTCCACCAGACTGGCA
CACCAGCTCCCAAACCTGCAAAAACCTTTCTTACAGCTAATAGATCTGTGTGACACAGACATTGAT
GAATTGGCATGTAATTGTACCAGGTTACAGCAGCTGGACATATTAGGAACAAGAATGGTAAGTCCGGCA
TCCTTAAGAAAACCTGGAATCTTGTAAAGATCTTTCTTACTTGATGTGCTTCTGTTCGCAGATT
GATAACAGAGCTGTGCTAGAAGTGAATGCAAGCTTTCCAAAAGTGTTCATAAAAAAGAGCTTACTACG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
  
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Protein Sequence:

>Peptide sequence encoded by RG239126
 Blue=ORF Red=Cloning site Green=Tag(s)

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MSPVFPMLTVLTMFYIICLRRRARTATRGEMNTHRAIESNSQTSPLNAEVVQYAKEVVDVSSHYSSEN
SMSYTMWNLGAVPNVFPSSGDFQTAVFRTYGTWWDQCPASL PFKRTPPNFQSQDYVELTFEQQVYPT
AVHVLETYHPGAVIRILACSANPYPNPPAEVRWEILWSERPTKYNASQARQFKPCIKQINFPTNLIRL
EVNSSLLEYYTELDAVVLHGVDKPKVLSLKTSLIDMNDIEDDAYAEKDGCGMDSL NKKFSSAVLGEGPN
NGYFDKLPYELIQLILNHLTLPDL CRLAQTKLLSQHCCDPLQYIHLNLQPYWAKLDDTSLEFLQSRCT
LVQWNL SWTGNRGFISVAGFSRFLKVCSELVRELESCSHFLNETCLEVISEMCPNLQALNLS SCDKL
PPQAFNHI AKLCSLKRLVLYRKTVEQTALLSILNFCSELQHL SLGSCVMIEDYDVIASMI GAKCKLRT
LDLWRCKNITENGI AELASGCPLLEELDLGWCP T LQSSTGCFTRLAHQLPNLQKFLTANRSVCDT DID
ELACNCTRLQLDILGTRMVSPASLRKLL ESKDLSLLDVSFCSQIDNRAVLELNASFPKVF IKKSFTQ
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
MGYGFYHFGTYP SGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPE D
SVIFTDKIIIRSNATVEHLHPMGDNDLDG SFTRTFSLRDGGYSSVVDSHMHF KSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
  
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Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001278716

ORF Size: 1863 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).

RefSeq: [NM_001278716.2](#)

RefSeq Size: 2928 bp

RefSeq ORF: 1866 bp

Locus ID: 26235

UniProt ID: [Q9UKA2](#)

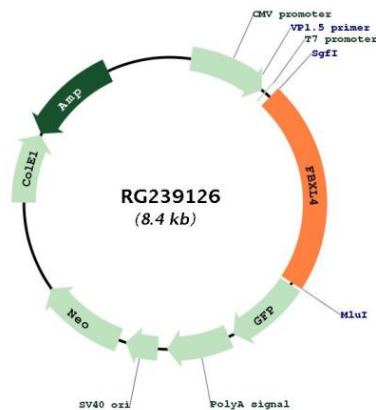
Cytogenetics: 6q16.1-q16.2

Protein Families: Druggable Genome

MW: 70.1 kDa

Gene Summary:

This gene encodes a member of the F-box protein family, which are characterized by an approximately 40 amino acid motif, the F-box. F-box proteins constitute one subunit of modular E3 ubiquitin ligase complexes, called SCF complexes, which function in phosphorylation-dependent ubiquitination. The F-box domain mediates protein-protein interactions and binds directly to S-phase kinase-associated protein 1. In addition to an F-box domain, the encoded protein contains at least 9 tandem leucine-rich repeats. The ubiquitin ligase complex containing the encoded protein may function in cell-cycle control by regulating levels of lysine-specific demethylase 4A. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

Product images:


Circular map for RG239126