

Product datasheet for **RC239126**

FBXL4 (NM_001278716) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FBXL4 (NM_001278716) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FBXL4
Synonyms:	FBL4; FBL5; MTDPS13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC239126 representing NM_001278716
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGTCACCGGTCTTTCCCATGTTAACAGTCTGACCATGTTTTATTATATATGCCTTCGGCGCCGAGCCA
 GGACAGCTACAAGAGGAGAAATGATGAACACCCATAGAGCTATAGAATCAAACAGCCAGACTTCCCCTCT
 CAATGCAGAGGTAGTCCAGTATGCCAAAGAAGTAGTGGATTTTCAGTTCCATTATGGAAGTGAGAATAGT
 ATGTCCTATACTATGTGGAATTTGGCTGGTGTACCAAAATGATTCCCAAGTCTGGTGACTTTACTCAGA
 CAGCTGTGTTTGAACCTATGGGACATGGTGGGATCAGTGTCTAGTGTCTTCCCTGCCATTCAAGAGGAC
 GCCACCTAATTTTTCAGAGCCAGGACTATGTGGAACCTACTTTTGAACAACAGGTGTATCCTACAGCTGTA
 CATGTTCTAGAAACCTATCATCCCGGAGCAGTCATTAGAATTCTCGTGTGTTCTGCAAACTCTTATTCCC
 CAAATCCACCAGCTGAAGTAAGATGGGAGATTCTTTGGTCAGAGAGACCTACGAAGGTGAATGCTTCCCA
 AGCTCGCCAGTTAAACCTTGATTAAGCAGATAAATTTCCCAAACTCTTATACGACTGGAAGTAAAT
 AGTTCTCTTCTGGAATATTACACTGAATTAGATGCAAGTGTGCTACATGGTGTGAAGGACAAGCCAGTGC
 TTTCTCTCAAGACTTCACCTATTGACATGAATGATATAGAAGATGATGCCTATGCAGAAAAGGATGGTTG
 TGGAAATGGACAGTCTTAAACAAAAGTTTAGCAGTGTCTCGGGGAAGGGCCAAATAATGGGTATTTT
 GATAAACTACCTTATGAGCTTATCAGCTGATTCTGAATCATCTTACACTACCAGACCTGTGTAGATTAG
 CACAGACTTGCAAACCTACTGAGCCAGCATTGCTGTGATCCTCTGCAATACATCCACCTCAATCTGCAACC
 ATACTGGGCAAACTAGATGACACTTCTCTGGAATTTCTACAGTCTCGCTGCACTTGTCCAGTGGCTT
 AATTTATCTTGGACTGGCAATAGAGGCTTACATCTCTGTCAGGATTTAGCAGGTTTCTGAAGTTTGTG
 GATCCGAATTAGTACGCCTTGAATTGTCTTGCAGCCACTTCTTAATGAAACTTGCTTAGAAGTTATTTT
 TGAGATGTGTCCAAATCTACAGGCTTAAATCTCTCCTCCTGTGATAAGCTACCACCTCAAGCTTTCAAC
 CACATTGCCAAGTTATGCAGCCTTAAACGACTTGTCTCTATCGAACAAGTAGAGCAAAACAGCACTGC
 TCAGCATTTTGAACCTTCTGTTTCCAGACTTCCAGCACCTCAGTTTAGGCAGTTGTGTCATGATTGAAGACTA
 TGATGTGATAGCTAGCATGATAGGAGCCAAGTGTAAAAACTCCGGACCCTGGATCTGTGGAGATGTAAG
 AATATTACTGAGAATGGAATAGCAGAAGTGGCTTCTGGGTGTCCACTACTGGAGGAGCTTACCTTGGCT
 GGTGCCAACTCTGCAGAGCAGCACCGGGTCTTACCAGACTGGCACACCAGCTCCCAAACCTGCAAAA
 ACTCTTCTTACAGCTAATAGATCTGTGTGACACAGACATTGATGAATTGGCATGTAATTGTACCAGG
 TTACAGCAGCTGGACATATTAGGAACAAGATGGTAAGTCCGGCATCCTTAAAGAAACTCCTGGAATCTT
 GTAAGATCTTTCTTACTTGTGTGTCCTTCTGTTCCGAGATTGATAACAGAGCTGTGCTAGAAGTAA
 TGCAAGCTTTCCAAAAGTGTTCATAAAAAAGAGCTTTACTCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC239126 representing NM_001278716
 Red=Cloning site Green=Tags(s)

MSPVFPMLTVLTMFYIICLRRRARTATRGEMNTHRAIESNSQTSPLNAEVVQYAKEVVDVSSHYGSENS
 MSYTMWNLAVPNVFPSSGDFQTAVFRTYGTWWDQCPSASLPFKRTPPNFQSQDYVELTFEQVYPTAV
 HVLETYHPGAVIRILACSANPSPNPPAEVRWEILWSERPTKVNASQARQFKPCIKQINFPTNLIRLEVN
 SLLLEYTELDAVVLHGVDKPKVLSLKTSLIDMNDIEDDAYAEKDGCGMDSLNNKFFSSAVLGEPPNNGYF
 DKLPYELIQLILNHLTLPDLRLAQTCKLLSQHCCDPLQYIHLNLQPYWAKLDDTSLFLQSRCTLVQWL
 NLSWTGNRGFISVAGFSRFLKVCSELVRELESCSHFLNETCLEVISEMCPNLQALNLSKDKLPPQAFN
 HIAKLCSLKRLVLYRTKVEQTALLSILNFCSELQHLSLGSCVMIEDYDVIASMIGAKCKLRLDLWRCK
 NITENGAELASGCPLLEELDLGWCPQLQSSTGCFRLAHQLPNLQKFLFLTANRSVCDTIDELACNCTR
 LQLDLIGTRMVSASLRKLLSECKDLSLLDVSFCSQIDNRAVLELNASFPKVFIKKSFTQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg4912_c07.zip
Restriction Sites: SgfI-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).

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_001278716.2](#)

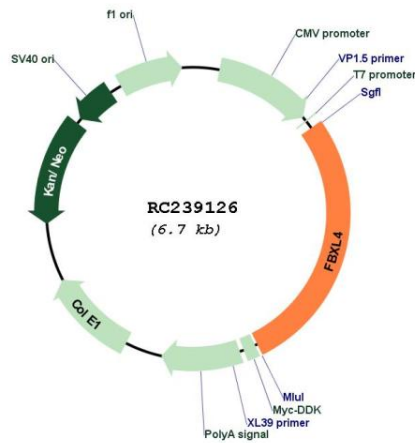
RefSeq Size: 2928 bp

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 RC239126