

Product datasheet for **RN214960**

Fbxo11 (NM_181631) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fbxo11 (NM_181631) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Fbxo11
Synonyms:	Vit1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN214960 representing NM_181631
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTTGCAGAAGAATCAGGTCCTGGTGCACAAAACAGTCCATACCAGCTTCGTAGAAAACTCTTTTGC
 CAAAAAGAACAGCGTGTCTACAAAGAACAGCATGGAGGGCGCCTCTACTTCAACTACAGAAAACTTCGG
 CCATCGAGCGAAGCGGGCAAGAGTGTCTGGGAAGTCACAAGATCTGTGAGCAGCACCCGCTGAACAGTAT
 CTTCAGGAGAAGCTACCAGATGAAGTAGTTTTAAAAATATTCTCTTATTTGCTGGAACAAGATCTTTGTA
 GAGCTGCTTGTGTGTAAACGCTTCAGTGAACCTGCTAATGATCCAATTTGTGGAAACGATTATATAT
 GGAAGTATTTGAATATACCCGGCCTATGATGCATCCTGAACCTGGTAAATCTACCAGATTAATCCAGAA
 GAATATGAACATCCAAATCCATGGAAAGAGAGTTTTCAACAGTTGTATAAAGGTGCACACGTAAGCCGG
 GATTTGCGGAACATTTCTATAGTAATCCTGCCAGATACAAAGGGAGAGAAAACATGTTGTATTATGATAC
 TATTGAAGATGCCCTTGGCGGAGTACAAGAAGCACATTTTGATGGGCTTATCTTTGTTTCATTCTGGAATA
 TATACTGATGAATGGATATATATTGAATCTCCAATCACTATGATTGGTGCAGCACCTGGGAAGGTTGCAG
 ACAAGGTCATCATTGAGAACACTAGAGACTCCACTTTCGTTTTTATGGAAGGTTCTGAGGACGCTTACGT
 TGGATATATGACAATAAGATTCAACCCTGATGACAAATCTGCCAGCATCACAACGCGCACCCTGCCTA
 GAGATCACAGTCAACTGCAGCCCATATCGACCCTGTATCATCCGAAGCACATGCACAGTTGGCTCTG
 CAGTGTGTGTGAGCGGTGAGGGGGCGTGTCCACTATCAAGCATTGTAACATCAGTACTGTGAAAAACGT
 CGGCCTCTATAAACAGATCATGCACAGGAATATATGAAGATAATGAAATTTCTAATAATGCATTAGCT
 GGGATTTGGGTTAAAAATCATGGAAATCCAATTTAGACGGAATCACATTCATCATGGACGTGATGTTG
 GTGTATTCACATTTGATCATGGCATGGCTACTTTGAAAGTTGCAACATACACAGAAAACAGGATAGCAGG
 CTTTGAGGTAAAAGCCTACGCTAATCCACAGTGGTTCGATGTGAAATTCACCATGGGCAGACTGGAGGA
 ATATATGTCCATGAGAAAAGGAGAGACAATTTATAGAGAATAAAAATCTATGCAAAACAATTCGAGGCG
 TATGGATTACCTCAAATAGTGACCCAACAATAAGGGGAATTCTATATTTAATGGAATCAAGGAGGAGT
 TTACATCTTTGGTATGGACGAGGCCTTAGAAGGAAATGACATTTATGGTAATGCGTTAGCAGGAATT
 CAGATTAGGACAAAACAGTTGCTCTATTGTTGACATAACAAAATTCACGATGGACAGCATGGTGGGATTT
 ATGTGCATGAAAAGGGACAAGGTGTAATAGAAGAAAATGAAGTTACAGCAACACCCTGGCTGGCGTCTG
 GGTGACAACTGGCAGCACGCCAGTACTAAGAAGAAATCGGATACACAGTGGCAAGCAGGTCGGTGTAT
 TTCTATGACAATGGACATGGTGTCTAGAAGATAACGATATCTACAATCATATGTATTACAGGGTTCAGA
 TAAGGACTGGAAGCAACCCAAAATTAGAAGAAAACAAAATTTGGGGAGGCAAAAATGGTGGAAATCTAGT
 TTATAATTCTGGTCTAGGCTGTATAGAAGACAATGAAATCTTCGACAACGCAATGGCTGGCGTCTGGATT
 AAAACAGACAGCAATCCTACGCTGAGACGGAATAAAATCCACGATGGAAGGGATGGCGGCATCTGTATAT
 TTAATGGGGTTCGAGGTCTCCTTGAAGAAAATGATATTTTCAGGAACGCTCAAGCAGGTGTTCTTATCAG
 CACCAACAGTCATCCAGTCTTAAGAAAAACAGAAATTCGATGGATTTGCTGCAGGTATTGAAATTACA
 AATCATGCAACTGCAACACTAGAAGGCAATCAGATTTTAAACAACAGATTTGGAGGCTTATTTTACGAT
 CTGGTGTAAACGTGACAATGAAAGATAACAAGATAATGAACAATCAAGATGCCATAGAAAAGGCTGTTAG
 TAGAGGACAATGTTTATATAAAATATCAAGTTATACCAGCTATCCCATGCATGACTTCTACAGATGTCAT
 ACTTGTAACACCACAGATCGAAATGCCATATGTGTGAACTGCATTAAAGAAGTGCCATCAGGACATGATG
 TAGAGTTCATTAGACATGATAGTTTTTCTGTGACTGTGGTGTGGAACACTGTCCAATCCTTGTACATT
 AGCTGGTGGCAACACATGATACAGACACACTATGACTCTGCCCCACCTATAGAGTCTAATACGTTG
 CAGCACA**ACTGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_181631
Insert Size: 2532 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_181631.2 , NP_853662.1
RefSeq Size:	3726 bp
RefSeq ORF:	2532 bp
Locus ID:	301674
UniProt ID:	Q7TSL3
Cytogenetics:	6q12
Gene Summary:	Substrate recognition component of a SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins, such as DTL/CDT2, BCL6 and PRDM1/BLIMP1. The SCF(FBXO11) complex mediates ubiquitination and degradation of BCL6, thereby playing a role in the germinal center B-cells terminal differentiation toward memory B-cells and plasma cells. The SCF(FBXO11) complex also mediates ubiquitination and degradation of DTL, an important step for the regulation of TGF-beta signaling, cell migration and the timing of the cell-cycle progression and exit. Binds to and neddylates phosphorylated p53/TP53, inhibiting its transcriptional activity. SCF(FBXO11) does not seem to direct ubiquitination of p53/TP53LOG. [UniProtKB/Swiss-Prot Function]