

Product datasheet for **RN208990**

Fbxo31 (NM_001044259) Rat Untagged Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Fbxo31 (NM_001044259) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Fbxo31 |
| Synonyms: | RGD1561069 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >RN208990 representing NM_001044259
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGTGTGTGCTCGGCTCTGCGGCGTGGGCCCGCGCGTGGGTGCCGCCGCCAGCAGCGCCGG
 GCCCGGCCGAGACTGCGGCGGCGGACAGTGAGGCGGACACGGACCCGAGGAGGAGCGCATCGAGGCGGG
 GCCGGCGCGTTGCTCCCTGCTGGAGCTGCCTCCGAGCTGCTAGTGAGATCTTCGCGTCTGTCGCCGG
 ACCGACCTGCCAGCCTGGCGCAGGTCTGCAGCAGGTTCCGTGCGATCCTGCACACCGACACCATCTGGA
 GAAGGCGTGCCTGCGAGGAGTATGGCGTTTGTGAGAACCTGCGGAAGCTGGAGATCACAGGCGTGTCTTG
 CCGGGACGTCTATGCCAAGCTGCTTACCAGGTACAGACACATTTTGGGGCTGTGGCAGCCAGATATTGGG
 CCGTATGGAGGATTGCTGAACGTCGTGGTGGATGGACTTTCATCATCGGGTGGATGTACCTGCCTCCTC
 ATGACCCACGTTGGCAGCCCATGCGATTCAAGCCCTATTTAGGATCCATCTGATGGAGAGGAAGTC
 GGCCACGGTGGAGTGTATGTACGGCCACAAAGGGCCCCACAATGGCCATATCCAGATTGTGAAGAGGGAT
 GAGTTCTCCACCAAGTGTAAACCAGACAGATCACCACAGGATGTCTGGTGGGAGGCAGGAGGAGTTTCGGA
 CGTGGCTGAGGGAGGAGTGGGGCCGCACGCTGGAAGACATCTTCCACGAGCACATGCAGGAGCTGATTCT
 GATGAAGTTTATCTACACCAGTCAGTACGACAACCTGCCTGACCTACCGGCGGATCTACCTCCCTCCAGC
 CACCCCGATGACCTCATCAAGCTGGCCTCTTTAAGGGCACCTACGGCAGCCATGGGCTGGAAATCGTGA
 TGCTTAGCTTCCACGGCTCTCGTGCCAGGGGCACCAAGATCACGGGGCAGCCCAACATCCCGCGGGGCA
 GCAGACTGTGGAGATTGACCTGCAGCGCCGATCCAGCTGCCAGACGTGGAGAACCTCCGAACTTCAAT
 GAGTCTCCAGGATCGTCTGGAGTCCGGGAGCAGGTGCGGCAGGAGCAGGAGGCTGGCAGGGCCCCCG
 CTCCACACCGGGAGCCTGCAGTCAAGGACCCTGAAGGGCCACCTGCTAAGGCCAGCAAAGAGGGCCGCC
 TGGAGCTGAGGCCGCTGAGCAGTCATCCACGCTCTGGGCAGGGACAGCCGTTTGTGCTTCTGCGGGTGT
 AGCTCGAGGAATGAGGATTACCCCGCACCTGCCGTTATGTTTCTATGGCACAGGCCTCATCGCTGGCC
 ATGGCTTTACGAGCCCCGAGCGTACCCCGGCGTCTTCTGCTGTTTCGATGAGGACCGCTTTGGGTTTCT
 CTGGCTGGAACCTGAAGTCTTCACTGTGTACAGCCGAGTCCAGGCCACCTTCCAGAACGCCGACGCACCA
 TCGCCACAGGCCCTTCGATGAGATGCTCAGGAACATCCAGTCTCTCACCTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001044259
- Insert Size:** 1524 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:

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_001044259.2](#), [NP_001037724.2](#)

RefSeq Size: 1775 bp

RefSeq ORF: 1524 bp

Locus ID: 498959

UniProt ID: [B2RYN2](#)

Cytogenetics: 19q12

Gene Summary: Component of some SCF (SKP1-cullin-F-box) protein ligase complex that plays a central role in G1 arrest following DNA damage. Specifically recognizes phosphorylated cyclin-D1 (CCND1), promoting its ubiquitination and degradation by the proteasome, resulting in G1 arrest (By similarity).[UniProtKB/Swiss-Prot Function]