

## Product datasheet for **SC329961**

### **Fbx32 (FBXO32) (NM\_001242463) Human Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fbx32 (FBXO32) (NM\_001242463) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** FBXO32  
**Synonyms:** Fbx32; MAFbx  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC329961 representing NM\_001242463.  
**Blue**=Insert sequence **Red**=Cloning site **Green**=Tag(s)

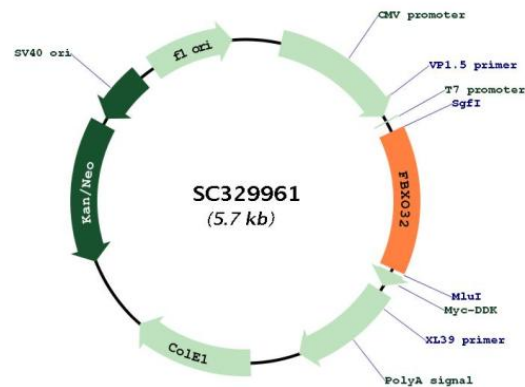
```
ATGCCATTCTCGGGCAGGACTGGCGGTCCCCGGGCAGAACTGGGTGAAGACGGCCGACGGCTGGAAG
CGCTTCTGGATGAGAAGAGCGGCAGTTTCGTGAGCGACCTCAGCAGTTACTGCAACAAGGAGGTATAC
AATAAGGAGAATCTTTTCAACAGCCTGAACTATGATGTTGCAGCCAAGAAGAGAAAGAAGGACATGCTG
AATAGCAAACCAAACTCAGTATTTCCACCAAGAAAAATGGATCTATGTTCAAAAGGAAGTACTAAA
GAGCGCCATGGATATTGCACCCTGGGGGAAGCTTTCAACAGACTGGACTTCTCAACTGCCATTCTGGAT
TCCAGAAGATTTAACTACGTGGTCCGGCCTGCCTTCAAAGGCCTCACCTTCACTGACCTGCCTTTGTGC
CTACAACCTGAACATCATGCAGAGGCTGAGCGACGGCGGGACCTGGTCAAGCTGGCCAGGCTGCCCCC
GACCTGCACGTGCTCAGCGAAGACCGGCTGCTGTGGAAGAACTCTGCCAGTACCACTTCTCCGAGCGG
CAGATCCGCAAACGATTAATTCTGTGACACAAAGGGCAGCTGGATTGGAAGAAGATGATTTCAAACCTT
GTCCGATGTTACCCAAGGAAAGAGCAGTATGGAGATACCTTTCAGCTCTGCAAACACTGTCACATCCTT
TCCTGGAAGGGCACTGACCATCCGTGCACTGCCAATAACCCAGAGAGCTGCTCCGTTTCACTTTCACCC
CAGGACTTATCAACTTGTCAAGTTCTGA
```

**Restriction Sites:** Sgfl-MluI



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## Plasmid Map:



**ACCN:** NM\_001242463

**Insert Size:** 789 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\\_001242463.1](#)

**RefSeq Size:** 6521 bp

**RefSeq ORF:** 789 bp

**Locus ID:** 114907

**UniProt ID:** [Q969P5](#)

**Cytogenetics:** 8q24.13

**MW:** 30.8 kDa

**Gene Summary:** This gene encodes a member of the F-box protein family which is characterized by an approximately 40 amino acid motif, the F-box. The F-box proteins constitute one of the four subunits of the ubiquitin protein ligase complex called SCFs (SKP1-cullin-F-box), which function in phosphorylation-dependent ubiquitination. The F-box proteins are divided into 3 classes: Fbws containing WD-40 domains, Fbls containing leucine-rich repeats, and Fbxs containing either different protein-protein interaction modules or no recognizable motifs. The protein encoded by this gene belongs to the Fbxs class and contains an F-box domain. This protein is highly expressed during muscle atrophy, whereas mice deficient in this gene were found to be resistant to atrophy. This protein is thus a potential drug target for the treatment of muscle atrophy. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jun 2011]

**Transcript Variant:** This variant (3) lacks two in-frame exons in the coding region, compared to variant 1. This encodes a shorter protein (isoform 3), compared to isoform 1. **Sequence Note:** This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.