

Product datasheet for **RC206490**

FBXO28 (NM_015176) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|-----------------------------------------------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | FBXO28 (NM_015176) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | FBXO28 |
| Synonyms: | CENP-30; Fbx28 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >RC206490 representing NM_015176 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCAGCGCGGAGGAGCGGATGGCAGAGGAAGGAGGCGCGGCCAAGGCGACGGCGGTTCTCTT
TGGCTCCGGCTTACCCAGCGACAGCTCCACC GCCCGCCACAGCACCCGACGCCGGGTCCCAGGC
GCTCCCAGCCCCGCGTGGCTCCGGACCAGCTGCCTCAAACAACACGTTGTGGCGTGGCCATCGTA
GCCATCGAGAACATCCTCAGCTTTATGTCTACGACGAAATTAGCCAGCTCCGCCTGTTTGTAAAAGAA
TGGACTTGGTCTGCCAGAGAATGTTGAATCAGGGATTTCTGAAAGTGGAGAGGTACCATAATCTATGTCA
GAAACAAGTTAAAGCACAACTCCAAGGAGAGAGTCAGAAAGGAGAAACCATTATTAGCTCGTCATGCA
GACATTCTTGCTGCTGTTGAAACAAGGCTGTCACTATTAATATGACTTTTCATGAAATATGTGGATTCCA
ATCTCTGTTGCTTATCCAGGAAAGGTGATTGATGAGATTTATCGTGTGTTGAGATATGTCAATCTAC
CAGAGCCCCTCAACGAGCTCATGAAGTACTTCAAGAATTAAGGGATATATCCTCTATGGCAATGGAGTAC
TTTGATGAAAAGATTGTTCCAATTTAAAGAGGAAATACCAGGATCAGATGTTTCTGGAAGACTCATGG
GCTCTCCTCCAGTCCAGGACCGTCTGCAGCCCTAACACAATGCAGCTCTTCTCCAAGCAAAATCCTTC
AAGACAAGAGGTTACCAAATCCAGCAGCAGGTTAAAACAATGGTGTGGCGTGACTGTTCTCAGGCGT
GAAATTTCTGAGCTTCGCACAAAGTGCAAGAACAGCAAAAACAGCTTCAAGACCAGACCAGAACTGC
TAGAGCAGACCCAGATCATAGGTGAACAAAATGCACGGTTGGCAGAGCTAGAACGCAAACTACGAGAAGT
AATGAAAAGTGCTGTAGGAAATTCCTCAGGGTCCGGGCAGAATGAGGAGTCTCCTCGGAAACGAAAAAG
GCCACGGAAGCCATAGACTCTCTTAGGAAATCTAACGCTTTCGGAATAGAAAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >RC206490 representing NM_015176
Red=Cloning site Green=Tags(s)

MAAAAEEERMAEEGGGQGDGSSLASGSTQRQPPPPAPQHPQPGSQALPAPALAPDQLPQNNTLVALPIV
 AIENILSFMSYDEISQLRLVCKRMDLVCQRMLNQGFLKVERYHNL CQKQVKAQLPRRESERRNHSLARHA
 DILAAVETRLSLLNMTFMKYVDSNLCCFIPGKVIDE IYRVLYVNSTRAPQRAHEVLQELRDISSMAMEY
 FDEKIVPILKRRKLPGSDVSGRLMGSPVPVGPSSAALTTMQLFSKQNP SRQEVTKLQQQVKTNGAGVTVLR
 EISELRTKVQEQQKQLQDQDKLLEQTQIIIGEONARLAELERKLREVMESAVGNSSGSGQNEE SPRKRKK
 ATEAIDSLRKSRLRNRK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg2569_b07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_015176

ORF Size: 1104 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_015176.4](#)

RefSeq Size: 2923 bp

RefSeq ORF: 1107 bp

Locus ID: 23219

UniProt ID: [Q9NVF7](#)

Cytogenetics: 1q42.11

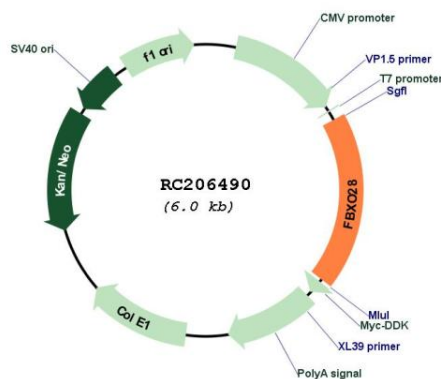
Domains: F-box

Protein Families: Druggable Genome

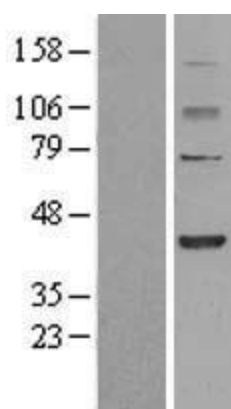
MW: 41 kDa

Gene Summary: Members of the F-box protein family, such as FBXO28, are characterized by an approximately 40-amino acid F-box motif. SCF complexes, formed by SKP1 (MIM 601434), cullin (see CUL1; MIM 603134), and F-box proteins, act as protein-ubiquitin ligases. F-box proteins interact with SKP1 through the F box, and they interact with ubiquitination targets through other protein interaction domains (Jin et al., 2004 [PubMed 15520277]).[supplied by OMIM, Mar 2008]

Product images:



Circular map for RC206490



Western blot validation of overexpression lysate (Cat# [LY402413]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206490 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).