

Product datasheet for **RG209600**

FBXO42 (NM_018994) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FBXO42 (NM_018994) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FBXO42
Synonyms:	Fbx42; JFK
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG209600 representing NM_018994
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCCAGCTCCTCAGACAGTGAAGATGACAGTTCATGGCTGTGGACCAGGAAGAACTGTGCTGGAAG
 GGACAATGGATCAAGATGAGGAGCCCACCCAGTATTGGAGGCTGAGGAGACTAGACATAATAGGTCCAT
 GTCGGAGCTGCCAGAAGAGGTTTTGGAGTATATCCTGTCCTTTCTCTCACCGTATCAGGAACACAAAAC
 GCGGCCCTTGTCTGCAAAACAGTGGTATCGACTTATCAAAGGTGTAGCCCATCAGTGTATCATGGTTTCA
 TGAAGGCTGTCCAGGAAGGAAACATTCAAGTGGGAGAGCCGTACCTATCCTTATCCTGGAACCCCAATCAC
 TCAGCGCTTCTCGCACAGTGCATGCTATTATGATGCTAATCAGTCTATGTATGTGTTTGGAGGCTGTACC
 CAGAGCAGCTGCAATGCTGCTTTCAATGACCTCTGGAGACTTGACCTAACAGCAAGAGTGGATCCGAC
 CTTTGGCTTCAGGTCTATCCTTCCCCAAAGCTGGAGCAACTCTGGTCGTGTACAAGGACTTGCTAGT
 GCTGTTTGGTGGCTGGACGCGGCCAAGCCCTTATCCCCTACACCAGCCAGAGAGATTCTTTGATGAAATA
 CACACTTACTCACCTCTAAAAATTGGTGGAACTGCATTGTGACAACCCATGGGCCACCTCCCATGGCTG
 GCCACTCCTCCTGTGTGATAGATGATAAAATGATTGTCTTTGGTGGCTCTTTAGGATCCCGGCAAAATGAG
 CAATGATGTCTGGGTCTTGACCTTGAGCAGTGGGCGTGGTCCAAGCCGAACATCTCTGGCCCCAGTCTCT
 CATCCTCGAGGTGGCCAATCTCAGATTGTATAGATGATGCAACTATCTTAATCCTCGGAGGGTGTGGCG
 GTCCCAATGCTCTATTCAAGGATGCTTGGTTGTTGCACATGCATTCTGGTCTTGGGCCTGGCAGCCACT
 CAAGGTAGAAAATGAAGAGCATGGGGCCCCAGAAGTGTGGTGCATCCAGCTTCCCGGTGGGACAGTGT
 GTGGTGGTCTTCAGCCAGGCTCCTAGTGGGAGAGCCCACTCAGCCCCAGTTTGAAGTCTCGCCCATCAC
 ATCAGTGGCACTCCTCCAGCTCTCGTTCCTGAAACCCGAGAGTACCGCTCTCAGTCTCCAGTAAGAAG
 CATGGATGAAGCTCCTTGTGTTAACGGCCGCTGGGGAACACTGAGACCCAGGGCTCAAAGGCAGACTCCT
 TCAGGTTCCCGGAAGGGAGCCTTTCCCAAGCCAGAGGAGACGGCTCTCCTATCCTCAATGGTGGGAGTT
 TGTCTCCAGGAACGGCAGCTGTGGGTGGCTCTTCTTTGGACAGTCTGTACAGGCCATATCTCCAAGTAC
 TCCATCTGCTCCTGAAGGATACGACCTGAAAAATAGGACTTTCTTTGGCCCCCGACGAGGATCACTACCA
 GATCAGAAAGATCTGAGATTAGGATCCATAGATCTGAATTGGGATCTGAAACCCGCTTCCAGTAGTAATC
 CCATGGATGGCATGGACAATAGGACAGTGGGGGAAGTATGAGACACCCTCCTGAACAGACAAATGGTGT
 GCATACCCACCTCACGTGGCCAGTGCCTTGCAGGGCCGTCTCCCAGGTGCCCTGCGTCGGAGTCTG
 GAAGCCATCAAAGCGATGCTCCTCAAAGGCCCTCGGCCCTGTCAGCACTAAGTCTCCTCTTGGGTCTT
 CTCCAGGCTCTCCTGGGAGCCAGAGTTTGGAGAGTGGAGAAACAGTGCCCATCCCTCGCCAGGGCCTGC
 CCAAGGAGATGGACATTCTTACCTCCATTGCTCGCCGCTGGGCCACCACCCTCCACAGTCCCTAAAT
 GTTGGCAAACCCCTATACCAGAGTATGAACTGCAAGCCCATGCAGATGTACGTGCTGGACATTAAGACA
 CCAAGGAGAAGGGCGGGTCAAATGGAAAGTATTAATAGCAGTTCTGTGGTTGGACCTCCTGAAACCA
 CCTGCATACCGTGGTACAAGGCAGGGGTGAACTCATCATATTTGGAGGACTCATGGACAAGAAACAGAAT
 GTGAAGTACTATCAAAAACAAACGCCTTGACTTTGTACGAGCAAGAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG209600 representing NM_018994
 Red=Cloning site Green=Tags(s)

MASSSDSEDDSFMAVDQEETVLEGTMDQDEEHPHVLAEETRHNRSMSLPEEVLEYILSFLSPYQEHKT
 AALVCKQWYRLIKGVAHQCYHGFMAVQEGNIQWESRTYPYGPITQRFSHSACYDANQSMYVFGGCT
 QSSCNAAFNDLWRLDLNSKEWIRPLASGSYSPKAGATLVVYKDLLVLFGGWTRPSYPLHQPERFFDEI
 HTYSPSKNWNVICVTTTHGPPPMAGHSSCVIDDKMIIVFGGSLGSRQMSNDVWVLDLEQWAWSKPNI
 SGPSHPRGGQSQIVIDDATILILGGCGPNALFKDAWLLHMHSQPWAWQPLKVENEEHGAPELWCHPACR
 VVGQC VVVFSSQAPSGRAPLSPSLNSRPSISATPPALVPETREYRSQSPVRSMDAEPVNGRWGTLR
 PRPAQRQTPSGSREGSLSPARGDGSPLNNGGSLSPGTAAVGGSSLDSPVQAI
 SPSTPSAPEGYDLKIGLSLAPRRGSLP DQKDLRLGSLDLNWDLKPASSSNPMDGMDNRT
 VGGSMRHPPEQTNGVHTPPHVASALAGAVSPGALRRSL EAIKAMSSKGPSASAALSPPLGSSP
 GSPGSQSLSSGETVPIPRPGPAQGDGHSLLPPIARRLGHPPQSLN VGKPLYQSMNCKPMQMY
 VLDIKDTKEKGRVKWKFVNSSSVVGGPPETSLHTVVQGRGELIIFGGLMDKKQN
 VKYYPKTNALYFVRAKR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018994

ORF Size: 2151 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_018994.1](#), [NP_061867.1](#)

RefSeq Size: 3011 bp

RefSeq ORF: 2154 bp

Locus ID: 54455

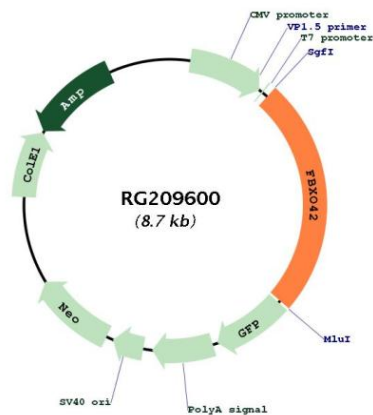
UniProt ID: [Q6P3S6](#)

Cytogenetics: 1p36.13

Protein Families: Druggable Genome

Gene Summary: Members of the F-box protein family, such as FBXO42, are characterized by an approximately 40-amino acid F-box motif. SCF complexes, formed by SKP1 (SKP1A; 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, Dec 2010]

Product images:



Circular map for RG209600