

Product datasheet for **RG223669**

FBXO46 (NM_001080469) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	FBXO46
Synonyms:	20D7-FC4; Fbx46; FBXO34L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG223669 representing NM_001080469
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGACCGTGGGAGCCTCTGCCCTTCCAGCTATGGTGCCCCGGCCCTTTGGCACCTACTCACAGAACC
 AGCCACGCCCGCCTTCTGCGGCCCTCAAGCCATCAGCCTGCCCTGAGCCTGGTGGCGGGGCCGAGCCAGA
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 CATGAAGGTCAAGGGGCACTGGGGCAGCGATAGCTCCAAGGCCAAGCGCGGAGGCGCTGTCTTGACCCC
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 GTGAGGACGTGGACCTGCTCTGTGGCCGAGATGGTGGCCCTGGTGAACAGCGGGCAGCCCTGCCCT
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 AAGGGGGTGGGATCTGAACGGCGGTCCGGTGGTGGGACTGCAGCCGTGTAGCCGAGGCCGTGGCCCACT
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 CGAGAAGGGCGACGTGTCGCTGCTGCCGCTGGCACCCCAAGCCCTACCACCATGACCTGCCTACGGACGT
 TCCTACTGGATGTGCTGCCGTGAGCCGACCGGAGACTCCCGGCTGCCGCTGGGCTCCACGATAACA
 ACTGGGTGCTGCCGTGAATGGGCCAGGCGGGGGCCGGCCGGCCGGGAGGAGGGGAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

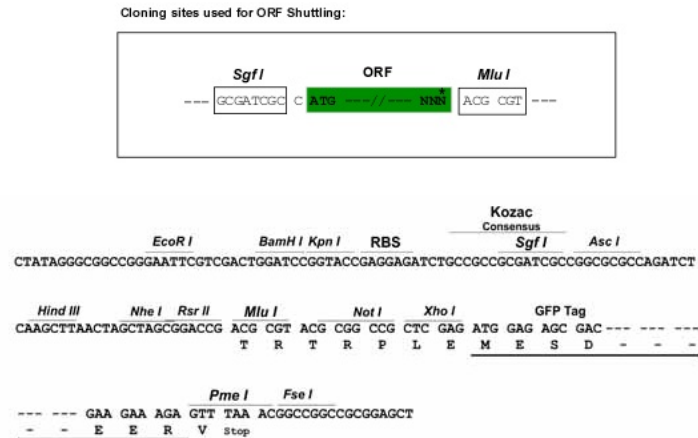
Protein Sequence: >RG223669 representing NM_001080469
 Red=Cloning site Green=Tags(s)

MDRGSLLPFQLWCPRPFGTYSQNQPRPPSAALKPSACPEPGGGAEPDHGPAHSENTPPALATEVPASQPA
 PLLSAAAAGDEGRVLLDTWYVIKPGNTKEKVAFFVAHQCGGSRASSMKVKGHWGSDSSKAKRRRRCLDP
 TKAPDPGGREGPPAAEEGPASAGEDVDLLSVAEMVALVEQRAALALQSYPRPTTPAPVVFVSAEQGGPA
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 GGGGRPGCAYPGSPGPGARAKDKITCDLYQLISPSRDALPSNVEFLLARADEASEGDSAPARPEDTPPA
 PPPPPARDCGASGFHVDVVVTGVVDECIFFGKDGTKNVKEETVCLTVSPEEPPPPGQLFFLQNRGPDGPP
 EPPPADSPATAPGDDAEGTADTSLCRLYRHVSHDFLEIRFKIQRLLEPRQYMLLLPEHVLVKIFSLPT
 RALAALKCTCHHFKGIIIEAFGVRATDSRWSRDPYRDDPCKQCRKRYEKGDVSLCRWHPKPYHHDLPYGR
 SYWMCCRADRETPGCRLLHDNNWVLPNPGGGGRAGREEGR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001080469

ORF Size: 1809 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001080469.2](#)

RefSeq Size: 2990 bp

RefSeq ORF: 1812 bp

Locus ID: 23403

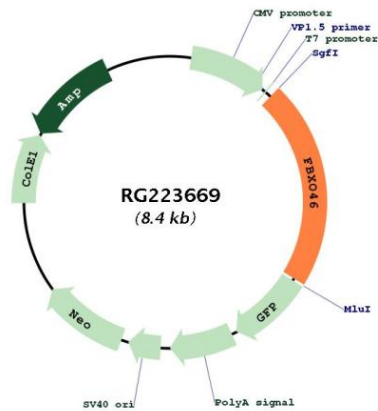
UniProt ID: [Q6PJ61](#)

Cytogenetics: 19q13.32

Protein Families: Druggable Genome

Gene Summary: Members of the F-box protein family, such as FBXO46, 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 RG223669