

Product datasheet for **RG226667**

REXO5 (NM_001144924) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	REXO5 (NM_001144924) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	REXO5
Synonyms:	NEF-sp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG226667 representing NM_001144924
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGAGCCAGAGAGGGAAGGGACCGAGAGACACCCAGGAAGGTCAGGGAAGCAGGCAGGCCCAATA
 AGCTGGTCGGGGCAGCTGAGGCGATGAAAGCCGGTTGGGATCTCGAGGAGAGTCAGCCCGAGGCCAAGAA
 AGCCCGCTTATCTACCATTTTATTTACTGACAACGTGTAAGTAACCCATGACCAGCTGTGTGAATTGCTG
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 TAAACAACGTAGTGGTTTTTGTCTGCAGGGAATGAGTCAGCTACACTTTTACAGGTTCTATTTGGAGTT
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ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

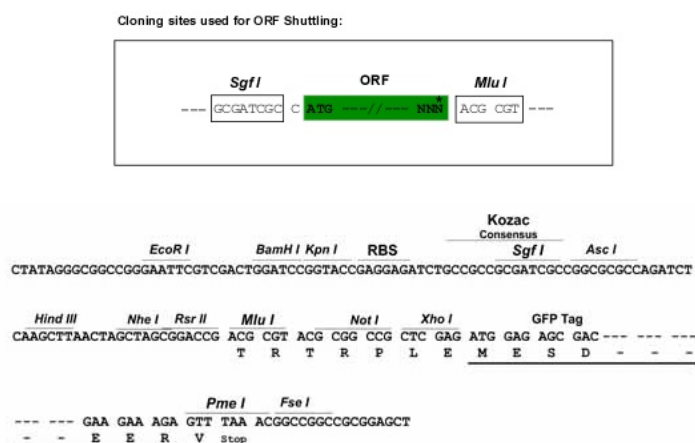
Protein Sequence: >RG226667 representing NM_001144924
Red=Cloning site Green=Tags(s)

MEPEREGTERHPRKVRESRQAPNKLVGAAEMKAGWDL EESQPEAKKARLSTILFTDNCEVTHDQCELL
KYAVL GKS NVPKPSWCQLFHQNH LNNVVFLVQGMSQLHFYRFYLEFGCLRKA FRHKFRLPPSSDFLAD
VVGLQTEQRAGDLPKTMEGLPSNAKAAINLQDDPIIQYGSKKVGLTRCLLTKEEMRTFHFPLQGF PDC
ENFLLTKNGSIADNSPLFGLDCEMCLTSKGRELTRISLVAEGGCCVMDELVKPENKILDYLT SFSGITK
KILNPVTYTKLKDVQRQLKALLPPDAVLVGHSLDLRLAKMIHPYVIDTSLLYVREQGRFKLKFLAKVI
LGKDIQCPDRLGHDATEDARTILELARYFLKHGPKKIAELNLEALANHQEIQAAAGQEPKNTAEVLQHPNT
SVLECLDSVGQKLLFLTRET DAGELPSSRNCQTIKCLSNKEVLEQARVEIPLFPFSIVQFSFKAFSPVLT
EEMNKRMRIKWTEISTVYAGPFSKNCNLRALKRLFKSFGPVQSMTFVLETRQVQRPVTELTLDCDTLVNE
LEGDSENQGSYILSGVSETTFQEQLLQEPRLFLGLEAVILPKDLKSGKQKKYCFLFKFSFGSAQQALNILT
GKDWLKGRLHALTPRHLHAWLRGLPPESTRPLGLRVVPPFQEALQTLKLDHPKIAAWRWSRKIGKLYN
SLCPGTLCKILLPGTKSTHGSLSGLGLMGIKEEFEESAGPG LCS

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM 001144924

ORF Size: 2229 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_001144924.2](#)

RefSeq Size: 2698 bp

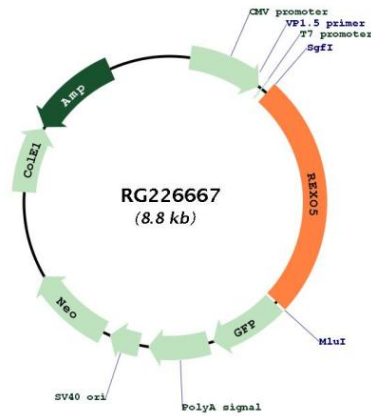
RefSeq ORF: 2232 bp

Locus ID: 81691

UniProt ID: [Q96IC2](#)

Cytogenetics: 16p12.3

Product images:



Circular map for RG226667