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Product datasheet for RC234868

REXO5 (NM_001199053) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	REXO5 (NM_001199053) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	REXO5
Synonyms:	NEF-sp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC234868 representing NM_001199053
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGCCAGAGAGGGAAGGGACCGAGAGACACCCCAGGAAGGTCAGGGAAAGCAGGCAGGCCCCAAATA
AGCTGGTCGGGGCAGCTGAGGCGATGAAAGCCGGTTGGGATCTCGAGGAGAGTCAGCCCGAGGCCAAGAA
AGCCCGCTTATCTACCATTTTATTTACTGACAACTGTGAAGTAACCCATGACCAGCTGTGTGAATTGCTG
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AGTGTTTTAGAATGCTTGGATTCAGTGGGTCAGAAGCTTCTTTTTTTGACCCGGGAGACAGATGCTGGTG
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CCTAAAGATCTTAAAAGTGGAAAGCAGAAAAAATACTGTTTCCTGAAATTCAAAAGTTTTGGCAGTGCCC
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CCTCCATGCCTGGCTCAGAGGCTTACCACCTGAATCAACAAGGCTCCCAGGGCTTCGTGTTGTACCTCCC
CCCTTTGAACAGGAGGCCTTGCAGACTCTGAAACTGGACCACCCGAAGATAGCAGCCTGGCGCTGGAGCC
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GAGCACTCATGGTTCACTCTCTGGTCTAGGACTGATGGGAATAAAAGAGGAAGAAGAAAGCGCTGGCCCA
GGCCTGTGTTCG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC234868 representing NM_001199053
Red=Cloning site Green=Tags(s)

MEPEREGTERHPRKVRESRQAPNKLVGAAEAMKAGWDLEESQPEAKKARLSTILFTDNCEVTHDQLCELL
KYAVLGKSNVPKPSWCQLFHQNHLNNVVVFVLQGMSQLHFYRFYLEFGCLRKAFRHKFRLPPPSSDFLAD
VVGLQTEQRAGDLPKTMEGPLPSNAKAAINLQDDPIIQKYGSKKVGLTRCLLTKEEMRTFHFPLQGFPDC
ENFLLTKCNGSIADNSPLFGLDCEMCLTSKGRELTRISLVAEGGCCVMDELVKPENKILDYLTSFSGITK
KILNPVTTKLKDVQRQLKALLPPDAVLVGHSLDLDLRALKMIHPYVIDTSLLYVREQGRRFKLKFLAKVI
LGKDIQCPDRLGHDATEDARTILELARYFLKHGPKKIAELNLEALANHQEIQAAGQEPKNTAEVLQHPNT
SVLECLDSVGQKLLFLTRETDAGELPSSRNCQTIKCLSNKEVLEQARVEIPLFPFSIVQFSFKAFSPVLT
EEMNKRMRIKWTEISTVYAGPFSKNCNLRALKRLFKSFGPVQSMTFVLETRQPHLCIQYEVLEAAQLAIE
SLDGILVDGICIKVQRPVTELTLDCDTLVNELEGDSENQGSIYLSGVSETFKEQLLQEPRLFLGLEAVIL
PKDLKSGKQKKYCFLKFKSFGSAQQALNILTGKDWKLKGRHALTPRHLHAWLRGLPPESTRLPGLRVVPP
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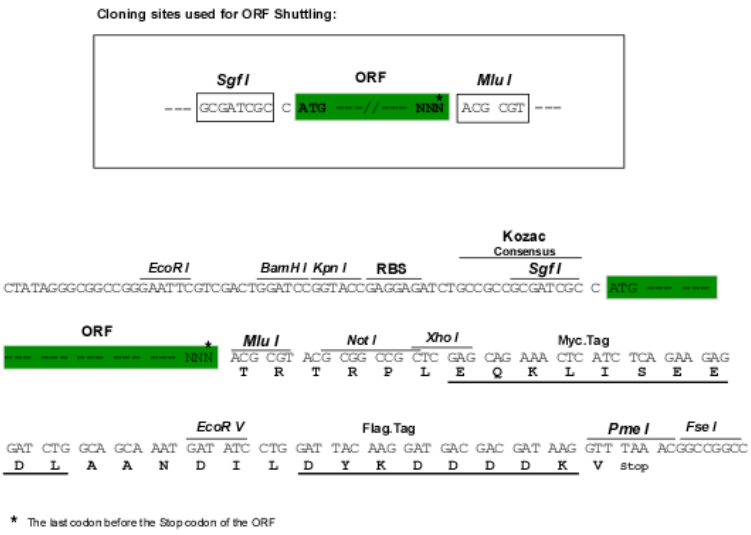
GLCS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN:	NM_001199053
ORF Size:	2322 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_001199053.2

RefSeq Size: 2903 bp

RefSeq ORF: 2325 bp

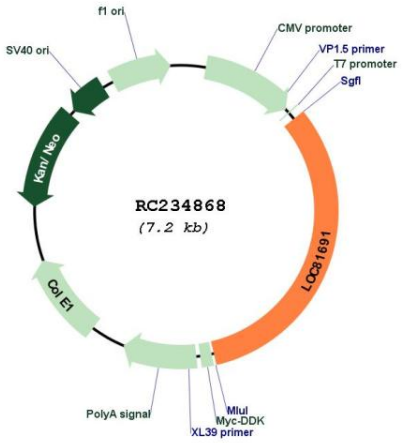
Locus ID: 81691

UniProt ID: Q96IC2

Cytogenetics: 16p12.3

MW: 87.3 kDa

Product images:



Circular map for RC234868