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Product datasheet for RG224047

EFCBP2 (NECAB2) (NM_019065) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	EFCBP2
Synonyms:	EFCBP2; stip-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG224047 representing NM_019065
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTGCGAGCGGGCGGCGCGCCTGTGCAGGGCCGGCGCGCACAGGCTGCTCCGGGAGCCGCCGCAGCAGG
GCCGGGCGCTGGGCGGGCTGCTGCGCTGGGTGGGCGCCAGGATGGGCGAGCCCCGGGAGTCGCTGGCCCC
CGCCGCCCCCGCGGACCCCGGCCCAGCCTCGCCGCGCGGGGGCACCGCCGTCATCCTGGACATTTTCCGC
CGTGCGGACAAAAATGATGATGGGAAGCTGTCCTTGGAGGAATTCCAGCTCTTCTTTGCAGATGGCGTCC
TTAATGAGAAAGAACTGGAGGATCTCTTTCACACGATTGACTCTGACAACACCAACCATGTGGACACCAA
GGAGCTGTGTGATTACTTTGTGGACCACATGGGTGACTATGAGGATGTCCTGGCCTCCCTGGAGACCTTG
AATCACTCTGTCCTGAAGGCCATGGGTTATACCAAGAAGGTATATGAGGGTGGGAGCAACGTGGACCAGT
TTGTGACCCGCTTCCTCCTGAAGGAGACGGCCAATCAGATCCAGTCGCTGCTGAGCTCAGTGGAGAGTGC
GGTGGAGGCCATCGAGGAACAGACCAGCCAGCTCCGACAGAACCACATCAAACCCAGCCACAGCGCGGCA
CAGACCTGGTGTGGAAGCCCCACTCCCGCCTCTGCCCCCAACCACAAGCTCATGGCTATGGAACAAGGCA
AGACCCTTCCATCTGCCACGGAGGATGCAAAGGAAGAGGGTCTGGAAGCCCAGATCAGCCGCTTGGCAGA
GCTGATTGGGAGGCTGGAGAGCAAAGCACTGTGGTTCGACCTGCAGCAGCGCCTGTCAGATGAAGATGGC
ACCAACATGCACCTGCAGCTGGTCCGGCAGGAGATGGCCGTGTGCCCCGAGCAACTGAGCGAGTTTCTGG
ACTCTCTGCGCCAGTATCTGCGGGGGACCACTGGCGTGAGGAACTGCTTCCACATCACTGCCGTGAGGCT
CTCAGATGGCTTCACCTTTGTCATCTATGAGTTCTGGGAGACAGAGGAGGCGTGGAAGAGGCACCTGCAG
AGCCCCCTGTGTAAGGCGTTCCGGCACGTCAAGGTGGACACACTGAGCCAGCCTGAGGCCCTCTCCAGGA
TCTTGGTGCCAGCTGCTTGGTGCACGGTGGGACGGGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

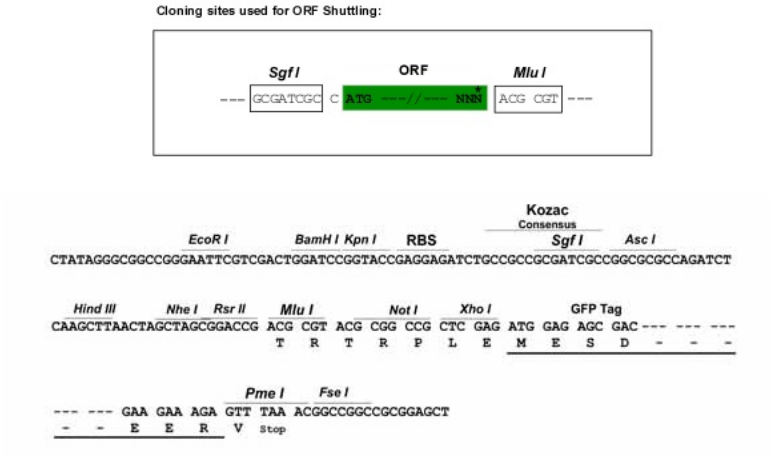
>RG224047 representing NM_019065
Red=Cloning site Green=Tags(s)

MCERAARLCRAGAHRLLREPPQQGRALGGLLRWVGARMGEPRESLAPAAPADPGPASPRGGTAVILDIFR
RADKNDDGKLSLEEFQLFFADGVLNEKELEDLFHTIDSDNTNHVDTKELCDYFVDHMGDYEDVLASLETL
NHSVLKAMGYTKKVYEGGSNVDQFVTRFLLKETANQIQSLLSSVESAVEAIEEQTSQLRQNHIKPSHSAA
QTWCGSPTPASAPNHKLMAMEQGKTLPSATEDAKEEGLEAQISRLAELIGRLESKALWFDLQQRLSDEDG
TNMHLQLVRQEMAVCPEQLSEFLDSLRQYLRGTTGVRNCFHITAVRLSDGFTFVIYEFWETEEAWKRHLQ
SPLCKAFRHVKVDTLSQPEALSRILVPAAWCTVGRD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_019065

ORF Size: 1158 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_019065.2, NP_061938.2

RefSeq Size: 1636 bp

RefSeq ORF: 1161 bp

Locus ID: 54550

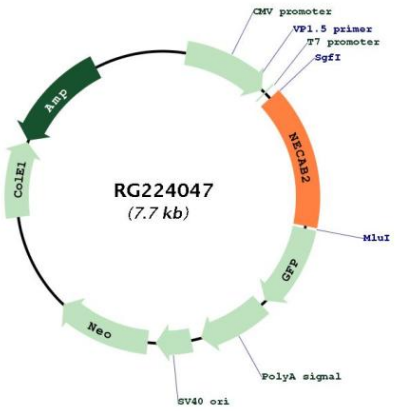
UniProt ID: Q7Z6G3

Cytogenetics: 16q23.3

Domains: ABM

Gene Summary: The protein encoded by this gene is a neuronal calcium-binding protein that binds to and modulates the function of at least two receptors, adenosine A(2A) receptor and metabotropic glutamate receptor type 5. [provided by RefSeq, Jul 2016]

Product images:



Circular map for RG224047