OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MG215833

Tacr2 (NM_009314) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tacr2 (NM_009314) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tacr2
Synonyms:	Nk2r; Skr; Tac2r
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>MG215833 representing NM_009314
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGGGCCCACGCCAGCGTTACCGACACCAACATCTTGTCTGGCCTTGAGAGTAACGCAACAGGCGTTA
CAGCCTTCTCTATGCCTGGCTGGCAGCTGGCGCTATGGGCCACAGCCTACCTGGCCCTGGTGCTGGTGGC
TGTAACAGGCAACGCCACAGTCATCTGGATCATTCTGGCCCATGAGAGAATGCGCACGGTCACCAACTAT
TTCATCATCAACCTGGCCTTGGCAGACCTCTGCATGGCGGCCTTCAATGCCACCTTCAACTTCATCTATG
CCAGTCACAACATCTGGTACTTCGGCAGCACCTTCTGCTACTTCCAGAACCTCTTTCCTGTCACAGCCAT
GTTCGTCAGCATCTACTCCATGACCGCCATCGCCGCTGACAGGTACATGGCCATTGTCCACCCTTTCCAG
CCACGGCTCTCCGCCCCCAGCACCAAGGCGGTTATTGCTGTCATCTGGCTGGTAGCCCTGGCTCTCGCCT
CCCCACAATGTTTCTACTCCACCATCACTGTGGACCAGGGGGCCACCAAGTGTGTGGTGGCCTGGCCCAA
TGACAACGGAGGCAAGATGCTCCTACTGTATCATCTGGTGGTGTTTGTCCTCATCTACTTCCTGCCTCTA
GTGGTGATGTTTGCAGCTTACAGTGTCATTGGCCTCACACTGTGGAAACGCGCCGTACCCAGACACCAGG
CTCATGGAGCTAACCTGCGCCATCTACAGGCCAAGAAGAAGTTTGTGAAGGCCATGGTACTGGTGGTGGT
GACATTTGCCATCTGCTGGCTGCCCTACCACCTCTACTTCATCCTGGGGACCTTCCAAGAGGACATCTAC
TACCGCAAGTTTATCCAGCAGGTCTACCTGGCACTCTTCTGGCTGGCCATGAGCTCCACCATGTACAACC
CCATCATTTATTGCTGCCTTAACCACAGGTTTCGCTCTGGATTCCGGCTTGCTTTCCGGTGCTGCCCCTG
GGGGACACCAACCGAGGAAGACAGGCTGGAGCTGACCCACACTCCGTCCATCTCCAGGAGAGTCAACCGG
TGTCACACCAAGGAGACTTTGTTCATGACAGGGGATATGACCCACTCTGAGGCTACCAATGGGCAGGTTG
GGGGCCCCCAGGATGGGGAGCCTGCTGGACCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

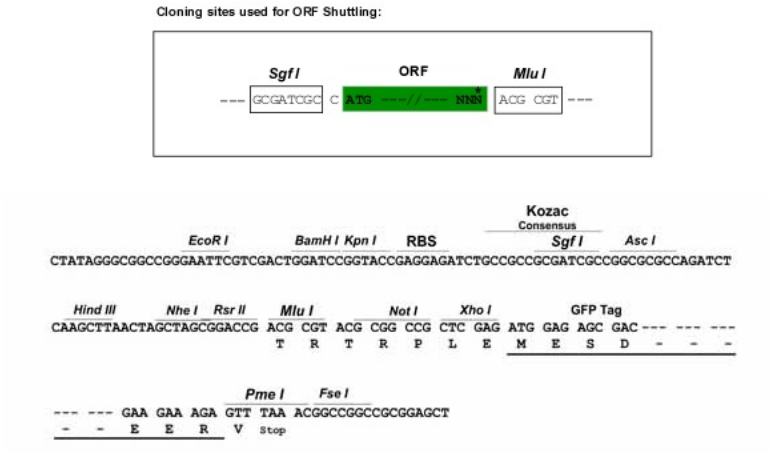
>MG215833 representing NM_009314
Red=Cloning site Green=Tags(s)

MGAHASVTDTNILSGLESNATGVTAFSMPGWQLALWATAYLALVLVAVTGNATVIWIILAHERMRTVTNY
FIINLALADLCMAAFNATFNFIYASHNIWYFGSTFCYFQNLFPVTAMFVSIYSMTAIAADRYMAIVHPFQ
PRLSAPSTKAVIAVIWLVALALASPQCFYSTITVDQGATKCVVAWPNDNGGKMLLLYHLVVFVLIYFLPL
VVMFAAYSVIGLTLWKRAVPRHQAHGANLRHLQAKKKFVKAMVLVVVTFAICWLPYHLYFILGTFQEDIY
YRKFIQQVYLALFWLAMSSTMYNPIIYCCLNHRFRSGFRLAFRCCPWGTPTEEDRLELTHTPSISRRVNR
CHTKETLFMTGDMTHSEATNGQVGGPQDGEPAGP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_009314

ORF Size: 1152 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_009314.4, NP_033340.3

RefSeq Size: 2258 bp

RefSeq ORF: 1155 bp

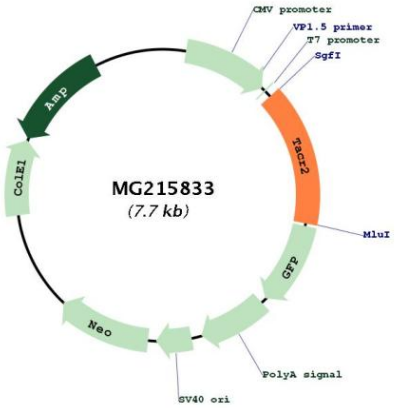
Locus ID: 21337

UniProt ID: P30549

Cytogenetics: 10 B4

Gene Summary: This is a receptor for the tachykinin neuropeptide substance K (neurokinin A). It is associated with G proteins that activate a phosphatidylinositol-calcium second messenger system. The rank order of affinity of this receptor to tachykinins is: substance K > neuromedin-K > substance P.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG215833