

Product datasheet for **RG215832**

TAC4 (NM_001077504) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TAC4 (NM_001077504) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: TAC4
Synonyms: EK; HK-1; HK1; PPT-C
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG215832 representing NM_001077504
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGCTGCCTTGCCTCGCCCTGCTTCTCCTGATGGAGCTGTCCGTGTGCACTGTGGCAGGTGATGGTGGAG
 AGGAACAGACACTCAGCACTGAAGCAGAGACCTGGGAAGGCGCTGGCCCCAGATTTCAGCTCCAGCTGCA
 GGAGGTGAAGACGGGCAAGGCAAGCCAGTTCTTTGGGCTGATGGGGAAGCGAGTGGGAGGAAGACCTCTG
 ATCCAGCCAAGGAGAAAAAAGGCAGAGAGGATGAGGCCCAAGGTTACAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG215832 representing NM_001077504
Red=Cloning site Green=Tags(s)
 MLPCLALLLLMELSVCTVAGDGGEEQTLSTEAETWEGAGPSIQLQLQEVKTGKASQFFGLMGKRVGGRPL
 IQPRRKGREDAQGSE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI


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Cloning Scheme:


ACCN: NM_001077504

ORF Size: 261 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.

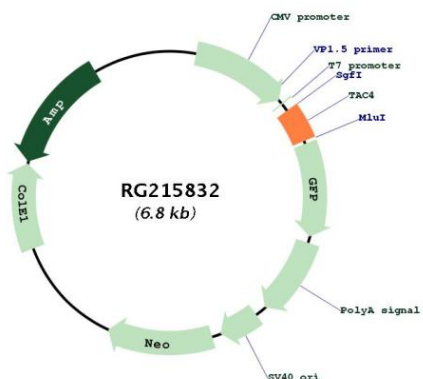
RefSeq: [NM_001077504.1](#), [NP_001070972.1](#)

RefSeq Size: 597 bp

RefSeq ORF: 264 bp
 Locus ID: 255061
 UniProt ID: [Q86UU9](#)
 Cytogenetics: 17q21.33

Gene Summary: This gene is a member of the tachykinin family of neurotransmitter-encoding genes. Tachykinin proteins are cleaved into small, secreted peptides that activate members of a family of receptor proteins. The products of this gene preferentially activate tachykinin receptor 1, and are thought to regulate peripheral endocrine and paracrine functions including blood pressure, the immune system, and endocrine gland secretion. The products of this gene lack a dibasic cleavage site found in other tachykinin proteins. Consequently, the nature of the cleavage products generated in vivo remains to be determined. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG215832