

Product datasheet for RG210496

CGRP (CALCB) (NM_000728) Human Tagged ORF Clone

Product data:

OriGene Technologies, Inc.

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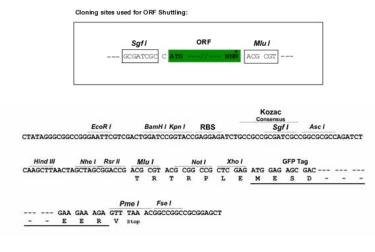
Product Type:	Expression Plasmids
Product Name:	CGRP (CALCB) (NM_000728) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CALCB
Synonyms:	CALC2; CGRP-II; CGRP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	<pre>>RG210496 representing NM_000728 Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGGGTTTCCGGAAGTTCTCCCCCTTCCTGGCTCTCAGTATCTTGGTCCTGTACCAGGCGGGCAGCCTCC AGGCGGCGCCATTCAGGTCTGCCCTGGAGAGAGCAGCCCAGACCCGGCCACACTCAGTAAAGAGGGACGCGG CCTCCTGCTGGCTGCACTGGTGCAGGACTATGTGCAGATGAAGGCCAGTGAGCTGAAGCAGGAGCAGGAG ACACAGGGCTCCAGCTCCGCTGCCCAGAAGAGAGAGCCTGCAACACTGCCACCTGTGTGACTCATCGGCTGG CAGGCTTGCTGAGCAGATCAGGGGGCATGGTGAAGAGCAACTTCGTGCCCACCAATGTGGGTTCCAAAGC CTTTGGCAGGCGCCGCAGGGACCTTCAAGCC
	ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA
Protein Sequence:	>RG210496 representing NM_000728 <mark>Red</mark> =Cloning site Green=Tags(s)
	MGFRKFSPFLALSILVLYQAGSLQAAPFRSALESSPDPATLSKEDARLLLAALVQDYVQMKASELKQEQE TQGSSSAAQKRACNTATCVTHRLAGLLSRSGGMVKSNFVPTNVGSKAFGRRRRDLQA
	TRTRPLE - GFP Tag - V
Restriction Sites:	Sgfl-Mlul



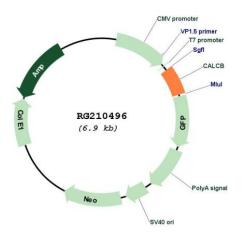
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Cloning Scheme:



Plasmid Map:



ACCN:	
ORF Size:	
OTI Disclaimer:	

ACCNI

NM_000728

381 bp

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

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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:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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:	<u>NM 000728.4</u>	
RefSeq Size:	1031 bp	
RefSeq ORF:	384 bp	
Locus ID:	797	
UniProt ID:	<u>P10092</u>	
Cytogenetics:	11p15.2	
Protein Families:	Druggable Genome, Secreted Protein	
Gene Summary:	CGRP induces vasodilation. It dilates a variety of vessels including the coronary, cerebral and systemic vasculature. Its abundance in the CNS also points toward a neurotransmitter or neuromodulator role.[UniProtKB/Swiss-Prot Function]	

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