

## Product datasheet for **RG210496**

### **CGRP (CALCB) (NM\_000728) Human Tagged ORF Clone**

#### Product data:

**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:** >RG210496 representing NM\_000728  
**Red**=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGTTTCCGGAAGTTCTCCCCCTTCTGGCTCTCAGTATCTTGGTCTGTACCAGGCGGGCAGCCTCC  
AGGCGGCCATTTCAGGCTGCCCTGGAGAGCAGCCAGACCCGGCCACTCAGTAAAGAGGACGCGCG  
CCTCCTGTGGCTGCACTGGTGCAGGACTATGTGCAGATGAAGGCCAGTGAGCTGAAGCAGGAGCAGGAG  
ACACAGGGCTCCAGCTCCGCTGCCAGAAGAGAGCCTGCAACACTGCCACCTGTGTGACTCATCGGCTGG  
CAGGCTTGCTGAGCAGATCAGGGGGCATGGTGAAGAGCAACTTCGTGCCACCAATGTGGTTCCAAAGC  
CTTTGGCAGGCGCCGAGGGACCTCAAGCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG210496 representing NM\_000728  
**Red**=Cloning site **Green**=Tags(s)  
MGFRKFSPLALSILVLYQAGSLQAAPFRSALESSDPATLSKEDARLLLAALVQDYVQMKASELKQEQE  
TQGSSSAAQKRACNTATCVTHRLAGLLSRSGMVKSNFVPTNVGSKAFGRRRRDLQA

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



[View online »](#)



<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_000728.4</a>
<b>RefSeq Size:</b>	1031 bp
<b>RefSeq ORF:</b>	384 bp
<b>Locus ID:</b>	797
<b>UniProt ID:</b>	<a href="#">P10092</a>
<b>Cytogenetics:</b>	11p15.2
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>Gene Summary:</b>	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]