

Product datasheet for **RG222115**

CALML6 (NM_138705) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CALML6 (NM_138705) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CALML6
Synonyms: CAGLP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG222115 representing NM_138705
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGTCTTCAACAAGAAATCTCACTGCAGCCCTGGTGTCAACCACCTGCAGAATCCTGTCAGACAACCA
 CCGACATGACAGAGCGCCTGTGGCTGAGCAGATCAAGGAGTACAAGGGAGTCTTTGAGATGTTGACGA
 AGAGGGCAACGGGGAGGTGAAGACGGGGGAGCTGGAGTGGCTCATGAGCCTGCTGGGTATCAACCCACC
 AAGAGTGAGCTGGCCTCAATGGCCAAGGATGTGGACAGAGACAACAAAGGTTCTTCAACTGCGATGTT
 TCCTGGCACTAATGGGAGTTTACCATGAGAAGGCCAGAACAGGAGAGCGAGCTGAGGGCGGCATTCCG
 TGTCTTTGACAAAGAGGGCAAGGCTACATTGACTGGAACACACTCAAGTACGTGCTAATGAACGCAGGG
 GAGCCCTCAACGAGGTGGAGGGGAGCAGATGATGAAGGAGGCCGACAAGGATGGGGACAGGACCATCG
 ACTATGAGGAGTTTGTGGCCATGATGACGGGGGAGTCCTTCAAGCTGATCCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG222115 representing NM_138705
 Red=Cloning site Green=Tags(s)

MGLQQEISLQPWCHHPAESCQTTTDMTERLSAEQIKEYKGVFEMFDEEGNGEVKTGELEWMSLLGINPT
 KSELASMAKDVDNRDNGFFNCDGFLALMGVYHEKAQNQESELRAAFRVFDKEGKYIDWNTLKYYLNMNAG
 EPLNEVEAEQMMKEADKDGDRIDYEEFVAMMTGESFKLIQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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:	<ol style="list-style-type: none">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:	<u>NM_138705.4</u>
RefSeq Size:	1110 bp
RefSeq ORF:	546 bp
Locus ID:	163688
UniProt ID:	<u>Q8TD86</u>
Cytogenetics:	1p36.33
Protein Pathways:	Alzheimer's disease, Calcium signaling pathway, Glioma, GnRH signaling pathway, Insulin signaling pathway, Long-term potentiation, Melanogenesis, Neurotrophin signaling pathway, Olfactory transduction, Oocyte meiosis, Phosphatidylinositol signaling system, Vascular smooth muscle contraction