

Product datasheet for **RG213211**

C2orf88 (NM_032321) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: TurboGFP
Symbol: C2orf88
Synonyms: smAKAP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG213211 representing NM_032321
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGGCTGCATGAAATCAAAGCAAACCTTTCCATTTCTACCATATATGAAGGTGAGAAGCAGCATGAGA
GTGAAGAACCCTTTATGCCAGAAGAGAGATGTCTACCTAGGATGGCTTCTCCAGTTAATGTCAAAGAGGA
AGTGAAGGAACCTCCAGGGACCAATATTGTGATCTTGAATATGCACACCGCCTGTCTCAGGATATCTTG
TGTGATGCCTTGACGAATGGCATGCAATAACATCAAGTACCATGACATTCCATACATTGAGAGTGAGG
GGCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG213211 representing NM_032321
Red=Cloning site Green=Tags(s)

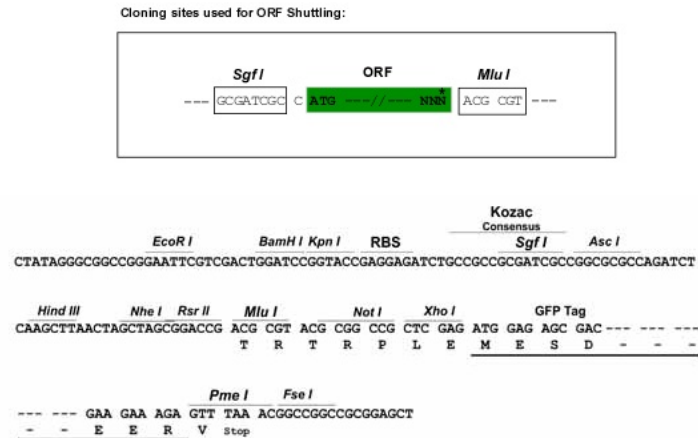
MGCMKSKQTFPPTIYEGEKQHESEEPFMPEERCLPRMASPVNVKEEVKEPPGTNIVILEYAHRLSQDIL
CDALQQWACNNIKYHDIPYIESEGP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_032321

ORF Size: 285 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.

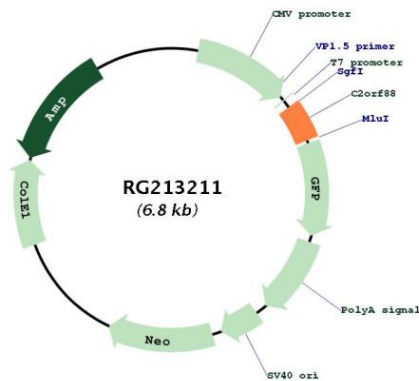
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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.

Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_032321.1 , NP_115697.1
RefSeq Size:	705 bp
RefSeq ORF:	288 bp
Locus ID:	84281
UniProt ID:	Q9BSF0
Cytogenetics:	2q32.2
Gene Summary:	Binds to type I regulatory subunits of protein kinase A (PKA-RI) and may anchor/target them to the plasma membrane.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG213211