

Product datasheet for RC208014L3

OriGene Technologies, Inc.

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GDNF Receptor alpha 2 (GFRA2) (NM_001495) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: GDNF Receptor alpha 2 (GFRA2) (NM_001495) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: GDNF Receptor alpha 2

Synonyms: GDNFRB; NRTNR-ALPHA; NTNRA; RETL2; TRNR2

Mammalian Cell Po

Selection:

Puromycin

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

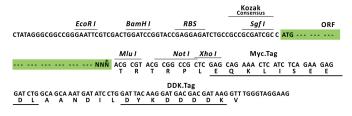
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC208014).

Sequence:

Sgfl-Mlul

Restriction Sites: Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_001495

ORF Size: 1392 bp



GDNF Receptor alpha 2 (GFRA2) (NM_001495) Human Tagged Lenti ORF Clone - RC208014L3

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: <u>NM 001495.4</u>

 RefSeq Size:
 3376 bp

 RefSeq ORF:
 1395 bp

 Locus ID:
 2675

 UniProt ID:
 000451

Cytogenetics: 8p21.3

Domains: GDNF

Protein Families: Druggable Genome

MW: 51.5 kDa

Gene Summary: Glial cell line-derived neurotrophic factor (GDNF) and neurturin (NTN) are two structurally

related, potent neurotrophic factors that play key roles in the control of neuron survival and differentiation. The protein encoded by this gene is a member of the GDNF receptor family. It is a glycosylphosphatidylinositol(GPI)-linked cell surface receptor for both GDNF and NTN, and mediates activation of the RET tyrosine kinase receptor. This encoded protein acts preferentially as a receptor for NTN compared to its other family member, GDNF family receptor alpha 1. This gene is a candidate gene for RET-associated diseases. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by

RefSeq, Sep 2009]