

## Product datasheet for **RC204866L3V**

### **GDNF Receptor alpha 1 (GFRA1) (NM\_145793) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

<b>Product Type:</b>	Lentiviral Particles
<b>Product Name:</b>	GDNF Receptor alpha 1 (GFRA1) (NM_145793) Human Tagged ORF Clone Lentiviral Particle
<b>Symbol:</b>	GDNF Receptor alpha 1
<b>Synonyms:</b>	GDNFR; GDNFRA; GFR-ALPHA-1; GFRalpha-1; RET1L; RETL1; TRNR1
<b>Mammalian Cell Selection:</b>	Puromycin
<b>Vector:</b>	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
<b>Tag:</b>	Myc-DDK
<b>ACCN:</b>	NM_145793
<b>ORF Size:</b>	1380 bp
<b>ORF Nucleotide Sequence:</b>	The ORF insert of this clone is exactly the same as(RC204866).
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<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>RefSeq:</b>	<a href="#">NM_145793.2</a> , <a href="#">NP_665736.1</a>
<b>RefSeq Size:</b>	2592 bp
<b>RefSeq ORF:</b>	1383 bp
<b>Locus ID:</b>	2674
<b>UniProt ID:</b>	<a href="#">P56159</a>
<b>Cytogenetics:</b>	10q25.3
<b>Domains:</b>	GDNF
<b>Protein Families:</b>	Druggable Genome



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**MW:** 48.3 kDa

**Gene Summary:** This gene encodes a member of the glial cell line-derived neurotrophic factor receptor (GDNFR) family of proteins. The encoded preproprotein is proteolytically processed to generate the mature receptor. 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. This receptor is a glycosylphosphatidylinositol (GPI)-linked cell surface receptor for both GDNF and NTN, and mediates activation of the RET tyrosine kinase receptor. This gene is a candidate gene for Hirschsprung disease. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed. [provided by RefSeq, Jan 2016]