

## Product datasheet for **KN204866BN**

### GDNF Receptor alpha 1 (GFRA1) Human Gene Knockout Kit (CRISPR)

#### Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control
Donor DNA:	mBFP-Neo
Symbol:	GDNF Receptor alpha 1
Locus ID:	2674
Components:	<b>KN204866G1</b> , GDNF Receptor alpha 1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN204866G2</b> , GDNF Receptor alpha 1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN204866BND</b> , donor DNA containing left and right homologous arms and mBFP-Neo functional cassette. <b>GE100003</b> , scramble sequence in pCas-Guide vector
Disclaimer:	These products are manufactured and supplied by OriGene under license from ERS. The kit is designed based on the best knowledge of CRISPR technology. The system has been functionally validated for knocking-in the cassette downstream the native promoter. The efficiency of the knock-out varies due to the nature of the biology and the complexity of the experimental process.
RefSeq:	<a href="#">NM_001145453</a> , <a href="#">NM_005264</a> , <a href="#">NM_145793</a> , <a href="#">NM_001348096</a> , <a href="#">NM_001348097</a> , <a href="#">NM_001348098</a> , <a href="#">NM_001348099</a>
UniProt ID:	<a href="#">P56159</a>
Synonyms:	GDNFR; GDNFRA; GFR-ALPHA-1; RET1L; RETL1; TRNR1
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]



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## Product images:

