

Hello Bio, Inc.  
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500  
F. 609-228-4994

customercare-usa@hellobio.com



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## DATASHEET

### Recombinant rat GFRA1 protein

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#### Product overview

<b>Name</b>	Recombinant rat GFRA1 protein
<b>Cat No</b>	HB8410
<b>Species of origin</b>	rat
<b>Alternative names</b>	Recombinant Rat GDNF Family Receptor Alpha 1, GDNF family receptor alpha-1, GDNF receptor alpha-1, GDNFR-alpha-1, GFR-alpha-1, RET ligand 1, TGF-beta-related neurotrophic factor receptor 1, Gfra1, Gdnfra, Retl1, Trnr1.
<b>Purity</b>	>85%
<b>Description</b>	Recombinant rat GDNF receptor alpha-1 protein

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#### Solubility & Handling

<b>Handling</b>	<ul style="list-style-type: none"><li>Solutions should be made in sterile deionized water (not less than 100 µg/ml). This solution can then be further diluted with other aqueous solutions.</li><li>Following reconstitution, solutions may be stored at 4°C and are useable for around 2-7 days and for future use store at -18°C.</li><li>For long term storage, a carrier protein (0.1% HSA or BSA) should be added to stock solutions. Solutions should be aliquoted into tightly sealed vials for storage at -20°C. Freeze-thaw cycles should be prevented.</li></ul>
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use

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#### Chemical Data

<b>UniProt ID</b>	Q62997
<b>Source</b>	Sf9, Baculovirus cells.
<b>Appearance</b>	Colourless solution (sterile filtered)
<b>Formulation</b>	Solution (0.25mg/ml) containing PBS (pH 7.4) and 10% glycerol

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#### References

##### Glial cell line-derived neurotrophic factor (GDNF): a drug candidate for the treatment of Parkinson's disease

Grondin R *et al* (1998) J Neurol 245(11 Suppl 3)

**PubMedID** [9808338](#)

##### Biology of GDNF and its receptors - Relevance for disorders of the central nervous system

Ibanez CF *et al* (2017) Neurobiol Dis 97(Pt B)

**PubMedID** [26829643](#)

##### Glial cell line-derived neurotrophic factor (GDNF) induces neuritogenesis in the cochlear spiral ganglion via neural cell adhesion molecule (NCAM)

Euteneuer S *et al* (2013) Mol Cell Neurosci 54

**PubMedID** [23262364](#)

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