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DATASHEET

Recombinant human GFRA1 protein

Product overview

Name	Recombinant human GFRA1 protein
Cat No	HB8712
Species of origin	human
Alternative names	Recombinant Human GDNF Family Receptor Alpha 1, GDNF receptor alpha-1, GDNFR-alpha-1, GFRalpha-1, RET ligand 1, TGF-beta-related neurotrophic factor receptor 1, GDNFRA1, RET1L2, RETL1, Glial Cell LineDerived Neurotrophic Factor Receptor Alpha, TRNR1, GPILinked Anchor Protein, PI-Linked Cell-Surface.
Purity	>95%
Description	Recombinant human GDNF receptor alpha-1 protein

Solubility & Handling

Solubility overview	To make a working stock solution, add deionized water to make a solution (0.5mg/mL) and allow the lyophilized material to dissolve. Filter the product using an appropriate sterile filter before using it in cell culture
Handling	• 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. • 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. • Freeze-thaw cycles should be prevented.
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use

Chemical Data

UniProt ID	P56159
Source	HEK293 cells.
Appearance	White lyophilized powder (filtered & freeze-dried)
Formulation	Filtered (0.4 µm) and lyophilized from a solution (0.5mg/ml) containing PBS (pH 7.5) with 5 % (w/v) trehalose

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