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DATASHEET

Recombinant human GFRA1 protein

Product overview

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|-------------------|--|
| 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

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|---------------------|--|
| 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 | <ul style="list-style-type: none">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

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|-------------|---|
| 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

