

Active Recombinant Rat Gfra1 protein(Met1-Leu445), His-tagged

Cat. No. Gfra1-4085R Lot. No. (See product label)

SPECIFICATION

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|-------------------------|--|
| Product Overview | Recombinant Rat GFRA1 (Q62997-1) (Met 1-Leu 445) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus. |
| Species | Rat |
| Source | HEK293 |
| ProteinLength | Met1-Leu445 |
| Form | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. |
| Bio-activity | Measured in a cell proliferation assay using SH-SY5Y human neuroblastoma cells. The ED50 for this effect is typically 0.2-1 µg/mL in the presence of 40 ng/mL Recombinant Rat GDNF. |
| Molecular Mass | The recombinant rat GFRA1 comprises 432 amino acids and predicts a molecular mass of 48 kDa. The apparent molecular mass of the rat GFRA1 is approximately 58-65 kDa in SDS-PAGE under reducing conditions due to glycosylation. |
| Endotoxin | < 1.0 EU per µg of the protein as determined by the LAL method |
| Purity | > 97 % as determined by SDS-PAGE |

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Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [Gfra1 GDNF family receptor alpha 1 \[Rattus norvegicus \]](#)

Official Symbol [Gfra1](#)

Synonyms GFRA1; GDNF family receptor alpha 1; GDNF family receptor alpha-1; GDNFR-alpha; GFR-alpha-1; RET ligand 1; GDNFR-alpha-1; GDNF receptor alpha; GDNF receptor alpha-1; TGF-beta-related neurotrophic factor receptor 1; Glial cell line-derived neurotrophic factor receptor alpha; glial cell line derived neurotrophic factor family receptor alpha 1;

Gene ID [25454](#)

mRNA Refseq [NM_012959](#)

Protein Refseq [NP_037091](#)

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