

Recombinant Rat GFRA1 protein(Met1-Leu445), hFc-tagged

Cat. No. GFRA1-2345R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat GFRA1 (Q62997) (Met1-Leu445) was expressed in HEK293 with the Fc region of Human IgG1 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	Immobilized rat His-GDNF (78-211) at 10 µg/ml (100 µl/well) can bind rat GFRA1-Fc, The EC50 of rat GFRA1-Fc is 20-46.6 ng/ml.
Molecular Mass	The recombinant rat GFRA1/Fc is a disulfide-linked homodimer. The reduced monomer comprises 662 amino acids and has a predicted molecular mass of 73.8 kDa. The apparent molecular mass of the protein is approximately 85 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 90 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.

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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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