

Recombinant Mouse Gfra1 protein(Met1-Ser425), His-tagged

Cat. No. Gfra1-722M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Gfra1 (AAB86600.1)(Met 1-Ser 425) was expressed in HEK293 with a C-terminal polyhistidine tag.
Species	Mouse
Source	HEK293
ProteinLength	1-425 a.a.
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	1. Measured in a cell proliferation assay using SH-SY5Y human neuroblastoma cells. The ED50 for this effect is typically 0.4-2 µg/mL in the presence of 40 ng/mL Recombinant Human GDNF. 2. Measured by its ability to bind with human GDNF in a functional ELISA.
Molecular Mass	The secreted recombinant mouse GFRα1 consists of 412 amino acids and has a calculated molecular mass of 46.3 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 55-60 kDa protein in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 98 % as determined by SDS-PAGE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 glial cell line derived neurotrophic factor family receptor alpha 1 \[Mus musculus \]](#)

Official Symbol [Gfra1](#)

Synonyms GFRA1; glial cell line derived neurotrophic factor family receptor alpha 1; GDNF family receptor alpha-1; GDNFR-alpha; GFR alpha-1; GFR-alpha-1; GDNFR-alpha-1; GDNF receptor alpha-1; TGF-beta-related neurotrophic factor receptor 1; AU042498;

Gene ID [14585](#)

mRNA Refseq [NM_010279](#)

Protein Refseq [NP_034409](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA