



Recombinant Rat GDNF family receptor alpha-1 (Gfra1)

Product Code	CSB-EP717294RA-B
Abbreviation	Gfra1
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q62997
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥85% (SDS-PAGE)
Sequence	DRLLDCV KASDQCLKEQ SCSTKYRTL R QCVAGKETNF SLTSGLEAKD ECRSAMEALK QKSLYNCRCK RGMKKEKNCL RIYWSMYQSL QGNDLLEDSP YEPVNSRLSD IFRAVPFISD VFQQVEHISK GNNCLDAAKA CNLDDTCKKY RSAYITPCTT SMSNEVCNRR KCHKALRQFF DKVPAKHSYG MLFCSCRDIA CTERRRQTIV PVCSYEERER PNCLSLQDSC KTNVICRSRL ADFFTNCQPE SRSVSNCLKE NYADCLLAYS GLIGTVMTPN YVDSSSLSVA PWCDCSNSGN DLEDCLKFLN FFKDNTCLKN AIQAFGNGSD VTMWQPAPPV QTTTATTTTA FRVKNKPLGP AGSENEIPTH VLPPCANLQA QKLKSNVSGS THLCLSDSDF GKDGLAGASS
Source	E.coli
Target Names	Gfra1
Protein Names	Recommended name: GDNF family receptor alpha-1 Short name= GDNF receptor alpha-1 Short name= GDNFR-alpha-1 Short name= GFR-alpha-1 Alternative name(s): RET ligand 1 TGF-beta-related neurotrophic factor receptor 1
Expression Region	25-430
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	Glial cell line-derived neurotrophic factor (GDNF) and neurturin (NTN) are two structurally related, potent neurotrophic factors that play key roles in the control of neuron survival and differentiation. This protein is a member of the GDNF receptor family. It is a glycosylphosphatidylinositol(GPI)-linked cell surface receptor for both GDNF and NTN, and mediates activation of the RET tyrosine kinase receptor. This gene is a candidate gene for Hirschsprung disease. Multiple alternatively spliced transcript variants have been described for this



gene.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.