



Recombinant Human GDNF family receptor alpha-2 (GFRA2)

Product Code	CSB-EP009380HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O00451
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	SPSSLQGPE LHGWRPPVDC VRANELCAAE SNCSSRYRTL RQCLAGRDRN TMLANKECQA ALEVLQESPL YDCRCKRGMK KELQCLQIYW SIHLGLTEGE EFYEASPYEP VTSRLSDIFR LASIFSGTGA DPVVSAXSNH CLDAAKACNL NDNCKKLRS YISICNREIS PTERCNRRKC HKALRQFFDR VPSEYTYRML FCSCQDQACA ERRRQITLPS CSYEDKEKPN CLDLRGVCRT DHLCRSLAD FHANCRAZYQ TVTSCPADNY QACLGSYAGM IGFDMPNYV DSSPTGIVVS PWCSCRGSGN MEECEKFLR DFTENPCLRN AIQAFGNGTD VNVSPKGPSP QATQAPRVEK TPSLPDDLSD STSLGTSVIT TCTSVQEQL KANNSKELSM CFTELTTNII PGSNKVIKPN SGPS
Source	E.coli
Target Names	GFRA2
Protein Names	Recommended name: GDNF family receptor alpha-2 Short name= GDNF receptor alpha-2 Short name= GDNFR-alpha-2 Short name= GFR-alpha-2 Alternative name(s): GDNF receptor beta Short name= GDNFR-beta Neurturin receptor al
Expression Region	22-444
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 encoded protein acts preferentially as a receptor for NTN compared to its other family member, GDNF family receptor alpha 1. This gene is a candidate gene for RET-associated diseases. Multiple transcript variants encoding different isoforms have been found 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.