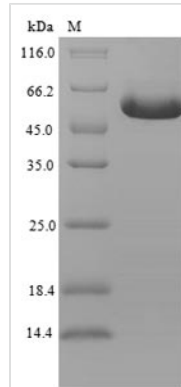




Recombinant Human GDNF family receptor alpha-like (GFRAL), partial

Product Code	CSB-EP751020HU
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.	Q6UXV0
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	SQTNNCTYLREQCLRDANGCKHAWRVMEDACNDSDPGDPCKMRNSSYCNLSIQYLVESNFFQKECLCTDDFYCTVKNLLGKKCINKSDNVKEDKFKWNLTTTSHHGFKGMWSCLEVAEACVGDVVCNAQLASYLKACSANGNPCDLKQCQAAIRFFYQNIPFNIAQMLAFCDCAQSDIPCQQSKEALHSKTCAVNMVPPPTCLSVIRSCQNDELCCRHYRTFQSKCWQRVTRKCHEDENCISTLSKQDLTCSGSDDCKAAYIDILGTVLQVQCTCRTITQSEESLCKIFQHMLHRKSCFNYP TLSNVKGMALYTRKHANKITLTGFHSPFNGE
Lead Time	3-7 business days
Research Area	Cell Biology
Source	E.coli
Gene Names	C6orf144
Expression Region	19-351aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	53.8kDa
Protein Description	Extracellular Domain
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

The region for expressing recombinant Human GFRAL contains amino acids 19-351. This GFRAL protein is theoretically predicted to have a molecular weight of 53.8 kDa. Expression of this GFRAL protein is conducted in e.coli. Fusion of the N-terminal 6xHis-SUMO tag into the GFRAL encoding gene fragment was conducted, allowing for easier detection and purification of the GFRAL protein in subsequent stages.

Human GDNF family receptor alpha-like (GFRAL) is a receptor associated with energy homeostasis. GFRAL mainly functions to mediate the effects of the GDNF family ligands on appetite regulation and body weight. Investigating GFRAL provides insights into neuroendocrine signaling, metabolic disorders, and cancer-related wasting, offering potential applications in developing interventions for obesity, metabolic diseases, and cancer-associated cachexia. In metabolic research, GFRAL is crucial for understanding mechanisms underlying obesity and metabolic disorders. Targeting GFRAL presents a potential avenue for developing anti-obesity therapeutics. Additionally, GFRAL's role in cancer cachexia implicates it in cancer research.

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.