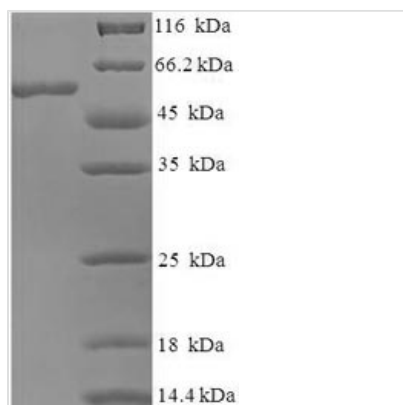




Recombinant Human Guanine nucleotide-binding protein subunit beta-5 (GNB5)

Product Code	CSB-EP009608HU
Relevance	Guanine nucleotide-binding proteins (G proteins) are involved as a modulator or transducer in various transmembrane signaling systems. The beta and gamma chains are required for the GTPase activity, for replacement of GDP by GTP, and for G protein-effector interaction.
Abbreviation	Recombinant Human GNB5 protein
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.	O14775
Alias	Gbeta5Transducin beta chain 5
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	MATEGLHENETLASLKSEAESLKGKLEEEERAKLHDVELHQAERVEALGQFVM KTRRTLKGHGKVLKCMDWCKDKRRIVSSSQDGKVVWDSFTTNKEHAVTMPC TWVMACAYAPSGCAIACGGLDNKCSVYPLTFDKNENMAAKKKSVMHTNYLS ACSFTNSDMQILTASGDGTCALWDVESGQLLQSFHGHGADVLCLDLAPSETG NTFVSGGCDKKAMVWDMRSGQCVQAFETHESDINSVRYYPGDAFASGSDD ATCRLYDLRADREVAIYSKESIIFGASSVDFSLSGRLLFAGYNDYTINVWDVLKG SRVSILFGHENRVSTLRVSPDGTAFCSGSWDHTLRVWA
Research Area	Signal Transduction
Source	E.coli
Target Names	GNB5
Expression Region	1-353aa
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	54.8kDa
Protein Length	Full Length of Isoform 2
Image	



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

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.