



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

<b>Product Code</b>	CSB-BP009608HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O14775
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MATEGLHENETLASLKSEAESLKGKLEEERAKLHDVELHQVAERVEALGQFVM KTRRTLKGHGKNKVLCDWCKDKRRIVSSSQDGKVVWDSFTTNKEHAVTMPC TWVMACAYAPSGCAIACGGLDNKCSVYPLTFDKNENMAAKKKSVMAMHTNYLS ACSFTNSDMQILTASGDGTCALWDVESGQLLQSFHGHGADVLCCLDLAPSETG NTFVSGGCDKKAMVWDMRSGQCQAFETHESDINSVRYYPSPGDFAFASGSDD ATCRLYDLRADREVAIYSKESIIFGASSVDFSLSGRLLFAGYNDYTINWVDVLKG SRVSILFGHENRVSTLRVSPDGTAFCSGSWDHTLRVWA
<b>Source</b>	Baculovirus
<b>Target Names</b>	GNB5
<b>Protein Names</b>	Recommended name: Guanine nucleotide-binding protein subunit beta-5 Alternative name(s): Gbeta5 Transducin beta chain 5
<b>Expression Region</b>	1-353aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Isoform 2
<b>Target Details</b>	Heterotrimeric guanine nucleotide-binding proteins (G proteins), which integrate signals between receptors and effector proteins, are composed of an alpha, a beta, and a gamma subunit. These subunits are encoded by families of related genes. This gene encodes a beta subunit. Beta subunits are important regulators of alpha subunits, as well as of certain signal transduction receptors and effectors. Alternatively spliced transcript variants encoding different isoforms exist.
<b>Reconstitution</b>	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.
<b>Shelf Life</b>	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.