Recombinant Mouse Guanine nucleotide-binding protein subunit beta-5 (Gnb5)

Product Code	CSB-BP009608MO
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P62881
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	MCDQTFLVNV FGSCDKCFKQ RALRPVFKKS QQLNYCSTCA EIMATDGLHE NETLASLKSE AESLKGKLEE ERAKLHDVEL HQVAERVEAL GQFVMKTRRT LKGHGNKVLC MDWCKDKRRI VSSSQDGKVI VWDSFTTNKE HAVTMPCTWV MACAYAPSGC AIACGGLDNK CSVYPLTFDK NENMAAKKKS VAMHTNYLSA CSFTNSDMQI LTASGDGTCA LWDVESGQLL QSFHGHGADV LCLDLAPSET GNTFVSGGCD KKAMVWDMRS GQCVQAFETH ESDVNSVRYY PSGDAFASGS DDATCRLYDL RADREVAIYS KESIIFGASS VDFSLSGRLL FAGYNDYTIN VWDVLKGSRV SILFGHENRV STLRVSPDGT AFCSGSWDHT LRVWA
Source	Baculovirus
Target Names	Gnb5
Protein Names	Recommended name: Guanine nucleotide-binding protein subunit beta-5 Alternative name(s): Gbeta5 Transducin beta chain 5
Expression Region	1-395
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 protein
Target Details	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.
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.