



# Recombinant Rat Guanine nucleotide-binding protein G (I)/G (S)/G (T) subunit beta-1 (Gnb1)

<b>Product Code</b>	CSB-BP009602RA
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P54311
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>SELDQLRQE AEQLKNQIRD ARKACADATL SQITNNIDPV GRIQMRTRRT            LRGHLAKIYA MHWGTDSRLL VSASQDGKLI IWDSYTTNKV HAIPLRSSWV            MTCAYAPSGN YVACGGLDNI CSIYNLKTRE GNVRVSRELA GHTGYLSCCR            FLDDNQIVTS SGDTTCALWD IETGQQTTTF TGHTGDVMSL SLAPDTRLFV            SGACDASAKL WDVREGMCRQ TFTGHESDIN AICFFPNGNA FATGSDDATC            RLFDLRADQE LMTYSHDNII CGITSVSFSK SGRLLLAGYD DFNCNVWDAL            KADRAGVLAG HDNRVSLGV TDDGMAVATG SWDSFLKIWN</p>
<b>Source</b>	Baculovirus
<b>Target Names</b>	Gnb1
<b>Protein Names</b>	Recommended name: Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1 Alternative name(s): Transducin beta chain 1
<b>Expression Region</b>	2-340
<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 Mature Protein
<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. This gene uses alternative polyadenylation signals.
<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.