



# Recombinant Bovine Guanine nucleotide-binding protein G (I)/G (S)/G (T) subunit beta-1 (GNB1)

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| <b>Product Code</b>      | CSB-YP009602BO   |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.  |
| <b>Uniprot No.</b>       | P62871   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Bos taurus (Bovine)  |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | SELDQLRQE AEQLKNQIRD ARKACADATL SQITNNIDPV GRIQMRTRRT<br>LRGHLAKIYA MHWGTDSRLL VSASQDGKLI IWDSYTTNKV HAIPLRSSWV<br>MTCAYAPSGN YVACGGLDNI CSIYNLKTRE GNVRVSRELA GHTGYLSCCR<br>FLDDNQIVTS SGDTTCALWD IETGQQTTTF TGHTGDVMSL SLAPDTRLFV<br>SGACDASAKL WDVREGMCRQ TFTGHESDIN AICFFPNGNA FATGSDDATC<br>RLFDLRADQE LMTYSHDNII CGITSVSFSK SGRLLLAGYD DFNCNVWDAL<br>KADRAGVLAG HDNRVSLGV TDDGMAVATG SWDSFLKIWN  |
| <b>Source</b>            | Yeast  |
| <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.