Recombinant Rat Guanine nucleotide-binding protein subunit beta-4 (Gnb4)

Product Code	CSB-EP009607RA-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O35353
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	SELEQLRQE AEQLRNQIQD ARKACNDATL VQITSNMDSV GRIQMRTRRT LRGHLAKIYA MHWGYDSRLL VSASQDGKLI IWDSYTTNKM HAIPLRSSWV MTCAYAPSGN YVACGGLDNI CSIYNLKTRE GNVRVSRELP GHTGYLSCCR FLDDGQIITS SGDTTCALWD IETGQQTTTF TGHSGDVMSL SLSPDLKTFV SGACDASSKL WDIRDGMCRQ SFTGHISDIN AVSFFPSGYA FATGSDDATC RLFDLRADQE LLLYSHDNII CGITSVAFSK SGRLLLAGYD DFNCSVWDAL KGGRAGVLAG HDNRVSCLGV TDDGMAVATG SWDSFLRIWN
Source	E.coli
Target Names	Gnb4
Protein Names	Recommended name: Guanine nucleotide-binding protein subunit beta-4 Alternative name(s): Transducin beta chain 4
Expression Region	2-340
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 of Mature 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.
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.