Recombinant Guinea pig Guanine nucleotide-binding protein G (i) subunit alpha-2 (GNAI2)

Product Code	CSB-EP009589GU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P38402
Product Type	Recombinant Protein
Immunogen Species	Cavia porcellus (Guinea pig)
Purity	>85% (SDS-PAGE)
Sequence	GCTVSAEDK AAAERSKMID KNLREDGEKA AREVKLLLLG AGESGKSTIV KQMKIIHEDG YSEEECRQYR AVVYSNTIQS IMAIVKAMGN LQIDFADPLR ADDARQLFAL SCTAEEQGML PEDLSGVIRR LWADHGVQAC FSRSREYQLN DSAAYYLNDL DRIAQSDYIP TQQDVLRTRV KTTGIVETHF TFKDLHFKMF DVGGQRSERK KWIHCFEGVT AIIFCVALSA YDLVLAEDEE MNRMHESMKL FDSICNNKWF TDTSIILFLN KKDLFEEKIT HSPLTICFPE YTGANKYDEA ASYIQSKFED LNKRKDTKEI YTHFTCATDT KNVQFVFDAV TDVIIKNNLK DCGLF
Source	E.coli
Target Names	GNAI2
Protein Names	Recommended name: Guanine nucleotide-binding protein G(i) subunit alpha-2 Alternative name(s): Adenylate cyclase-inhibiting G alpha protein
Expression Region	2-355
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	This protein is an alpha subunit of guanine nucleotide binding proteins (G proteins). The encoded protein contains the guanine nucleotide binding site and is involved in the hormonal regulation of adenylate cyclase. Several transcript variants encoding different isoforms have been detected for this gene, but the full-length nature of only two are known so far.
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.