



# Recombinant Human Guanine nucleotide-binding protein G (i) subunit alpha-2 (GNAI2)

<b>Product Code</b>	CSB-EP009589HU-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P04899
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	GCTVSAEDK AAAERSKMID KNLREDGEKA AREVKLLLLG AGESGKSTIV KQMKIIHEDG YSEEECRQYR AVVYSNTIQS IMAIVKAMGN LQIDFADPSR ADDARQLFAL SCTAEEQGV L PDDL S G V I R R L W A D H G V Q A C F G R S R E Y Q L N D S A A Y Y L N D L E R I A Q S D Y I P T Q Q D V L R T R V K T T G I V E T H F T F K D L H F K M F D V G G Q R S E R K K W I H C F E G V T A I F C V A L S A Y D L V L A E D E E M N R M H E S M K L F D S I C N N K W F T D T S I I L F L N K K D L F E E K I T H S P L T I C F P E Y T G A N K Y D E A A S Y I Q S K F E D L N K R K D T K E I Y T H F T C A T D T K N V Q F V F D A V T D V I I K N N L K D C G L F
<b>Source</b>	E.coli
<b>Target Names</b>	GNAI2
<b>Protein Names</b>	Recommended name: Guanine nucleotide-binding protein G(i) subunit alpha-2 Alternative name(s): Adenylate cyclase-inhibiting G alpha protein
<b>Expression Region</b>	2-355
<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>	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.
<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.