Recombinant Human Guanine nucleotide-binding protein G (t) subunit alpha-1 (GNAT1)

Product Code	CSB-EP009598HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P11488
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	GAGASAEEK HSRELEKKLK EDAEKDARTV KLLLLGAGES GKSTIVKQMK IIHQDGYSLE ECLEFIAIIY GNTLQSILAI VRAMTTLNIQ YGDSARQDDA RKLMHMADTI EEGTMPKEMS DIIQRLWKDS GIQACFERAS EYQLNDSAGY YLSDLERLVT PGYVPTEQDV LRSRVKTTGI IETQFSFKDL NFRMFDVGGQ RSERKKWIHC FEGVTCIIFI AALSAYDMVL VEDDEVNRMH ESLHLFNSIC NHRYFATTSI VLFLNKKDVF FEKIKKAHLS ICFPDYDGPN TYEDAGNYIK VQFLELNMRR DVKEIYSHMT CATDTQNVKF VFDAVTDIII KENLKDCGLF
Source	E.coli
Target Names	GNAT1
Protein Names	Recommended name: Guanine nucleotide-binding protein G(t) subunit alpha-1 Alternative name(s): Transducin alpha-1 chain
Expression Region	2-350
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	Transducin is a 3-subunit guanine nucleotide-binding protein (G protein) which stimulates the coupling of rhodopsin and cGMP-phoshodiesterase during visual impulses. The transducin alpha subunits in rods and cones are encoded by separate genes. This gene encodes the alpha subunit in rods. This gene is also expressed in other cells, and has been implicated in bitter taste transduction in rat taste cells. Mutations in this gene result in autosomal dominant congenital stationary night blindness. Multiple alternatively spliced variants, encoding the same protein, have been identified.
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.