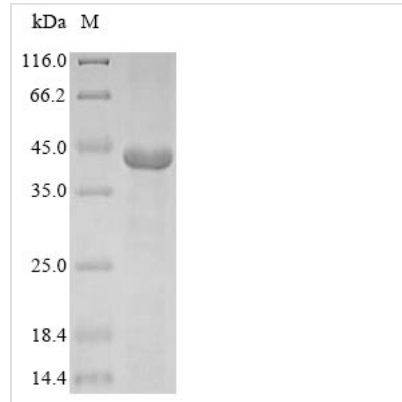




Recombinant Bovine Guanine nucleotide-binding protein G (t) subunit alpha-2 (GNAT2)

Product Code	CSB-EP009599BO
Relevance	Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems. Transducin is an amplifier and one of the transducers of a visual impulse that performs the coupling between rhodopsin and cGMP-phosphodiesterase.
Abbreviation	Recombinant Bovine GNAT2 protein
Storage	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.
Uniprot No.	P04696
Product Type	Recombinant Protein
Immunogen Species	Bos taurus (Bovine)
Purity	≥ 85% as determined by SDS-PAGE.
Sequence	GSGASAEKELAKRSKELEKKLQEDADKEAKTVKLLLLGAGESGKSTIVKQMKI IHQDGYSPEECLEYKAIYGNVLQSILAIIRAMPTLGIDYAEVSCVDNQRQLNLA DSIEEGTMPPELVEVIRKLWKDGGVQACFDRAAEYQLNDSASYLNLDRITA PDYLPNEQDVLRSRVKTTGIIETKFSVKDLNFRMFDVGGQRSEKRWIHCFCFEG VTCIIFCAALSAYDMVLVEDDEVNRMHESLHLFNSICNHKFFAATSIVLFLNKKD LFEEKIKKVHLSICFPEYDGNNSYEDAGNYIKSQFLDLNMRKDVKEIYSHMTCA TDTQNVKVFVDAVTDIIKENLKDCLF
Research Area	Neuroscience
Source	E.coli
Target Names	GNAT2
Protein Names	Transducin alpha-2 chain
Expression Region	2-354aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	44.0 kDa
Protein Length	Full Length of Mature Protein
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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.