

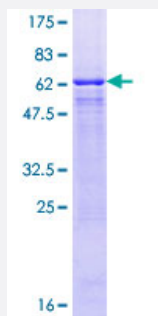
Full-Length

GNAT2 (Human) Recombinant Protein (P01)

Catalog # H00002780-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human GNAT2 full-length ORF (NP_005263.1, 1 a.a. - 354 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSGGASAEDKELAKRSKELEKKLQEDADKEAKTVKLLLLGAGESGKSTIVKQMKIIHQDGYSPEE
CLEFKAIYGNVLQSILAIIRAMTTLGIDYAEPSCADDGRQLNNLADSIEEGTMPPELVEVIRRLWKDG
GVQACFERAAEYQLNDSASYLNQLERITDPEYLPSEQDVLRSRVKTTGIIETKFSVKDLNFRMFD
VGGQRSEKRWIHCFEVTCIIFCAALSAYDMVLVEDDEVNRMHESLHLFNSICNKKFFAATSMV
FLNKKDLFEKIKKVHLSICFPEYDGNNSYDDAGNYKSQFLDLNMRKDVKEYSHMTCATDTQNV
KVFVDAVTDIIIIKENLKDCGLF

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

66.6

Interspecies Antigen Sequence

Mouse (96); Rat (95)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — GNAT2

Entrez GeneID[2780](#)**GeneBank Accession#**[NM_005272.3](#)**Protein Accession#**[NP_005263.1](#)**Gene Name**

GNAT2

Gene Alias

ACHM4, GNATC

Gene Description

guanine nucleotide binding protein (G protein), alpha transducing activity polypeptide 2

Omim ID[139340](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Transducin is a 3-subunit guanine nucleotide-binding protein (G protein) which stimulates the coupling of rhodopsin and cGMP-phosphodiesterase during visual impulses. The transducin alpha subunits in rods and cones are encoded by separate genes. This gene encodes the alpha subunit in cones. [provided by RefSeq]

Other Designations

OTTHUMP00000013354|cone-type transducin alpha subunit|guanine nucleotide binding protein, alpha transducing activity polypeptide 2|guanine nucleotide-binding protein G(t), alpha-2 subunit|transducin alpha-2 chain|transducin, cone-specific, alpha polypeptide

Disease

- [Color Vision](#)
- [Color Vision Defects](#)
- [Retinal Degeneration](#)