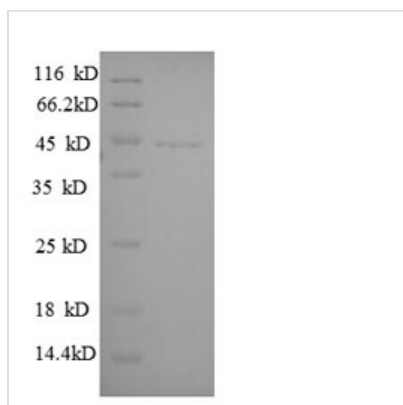




Recombinant Human Guanine nucleotide-binding protein G (i) subunit alpha-3 (GNAI3)

Product Code	CSB-EP009591HU
Relevance	Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems. G(i) is the stimulatory G protein of receptor-regulated K ⁺ channels. The active GTP-bound form prevents the association of RGS14 with centrosomes and is required for the translocation of RGS14 from the cytoplasm to the plasma membrane. May play a role in cell division.
Abbreviation	Recombinant Human GNAI3 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.	P08754
Alias	G(i) alpha-3
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MGCTLSAEDKAAVERSKMIDRNLRDGEKAAKEVKLLLLGAGESGKSTIVKQM KIIHEDGYSEDECKQYKVVVYSNTIQSIIAIRAMGRLKIDFGAARADDARQLFV LAGSAEEGVMTPELAGVIKRLWRDGGVQACFSRSREYQLNDSASYLNDLDR ISQSNYIPTQQDVLRTVKTGTGIVETHFTFKDLYFKMFDVGGQRSEKRWIHC EGVTAIIFCVALSDYDLVLAEDEEMNRMHESMKLFDSICNNKWFTEISILFLNK KDLFEKIKRSPLTICYPEYTGSTNTYEEAAAYIQCFEDLNRRKDTKEIYTHFTC ATDTKNVQFVFDVTDVVIKNNLKECGLY
Research Area	Cell Cycle
Source	E.coli
Target Names	GNAI3
Expression Region	1-354aa
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	44.5kDa
Protein Length	Full Length
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

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