

Recombinant Human GNAI3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. GNAI3-2707H Lot. No. (See product label)

SPECIFICATION

Product Overview	GNAI3 MS Standard C13 and N15-labeled recombinant protein (NP_006487) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling pathways. G proteins are composed of 3 units: alpha, beta and gamma. This gene encodes an alpha subunit and belongs to the G-alpha family. Mutation in this gene, resulting in a gly40-to-arg substitution, is associated with auriculocondylar syndrome, and shown to affect downstream targets in the G protein-coupled endothelin receptor pathway.
Molecular Mass	40.5 kDa
AA Sequence	MGCTLSAEDKAAVERSKMIDRNLRDGEKAAKEVKLLLLGAGESGKSTIVKQMKIIHEDGYSEDECKQYKVVVYSNTIQSIIAIRAMGRLKIDFGAARADDARQLFVLAGSAEEGVMTPELAGVIKRLWRDGGVQACFSRSREYQLNDSASYLNDLDRISQSNIPTQQDVLRRTRVKTGIVETHFTFKDLYFKMFDVGGQRSEKRWIHCFEGVTAIIFCVALS DYDLVLAEDEEMNRMHESMKLFD SICNNKWF TETSII LFLNKKDLFE EKIKRSPL TICYPEYTGSNTYEEAAAYIQCFEDLNRRKDTKEIYTHFTCATDTKNVQVFVDAVTDVVIKNNLKECGLYTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	GNAI3 G protein subunit alpha i3 [Homo sapiens (human)]
Official Symbol	GNAI3
Synonyms	GNAI3; guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 3; guanine nucleotide-binding protein G(k) subunit alpha; 87U6; g(i) alpha-3; FLJ26559;
Gene ID	2773
mRNA Refseq	NM_006496
Protein Refseq	NP_006487
MIM	139370
UniProt ID	P08754

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SDS-PAGE



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