

Recombinant Human GNAI3 protein, MYC/DDK-tagged

Cat. No. GNAI3-380H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GNAI3 fused with MYC/DDK tag at C-terminal 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.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	40.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name	GNAI3 guanine nucleotide binding protein (G protein), alpha inhibiting activity
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	polypeptide 3 [Homo sapiens]
Official Symbol	GNAI3
Synonyms	87U6; ARCND1; guanine nucleotide-binding protein G(k) subunit alpha; g(i) alpha-3
Gene ID	2773
mRNA Refseq	NM_006496
Protein Refseq	NP_006487
MIM	139370
UniProt ID	P08754
Chromosome Location	1p13
Pathway	ADP signalling through P2Y purinoceptor 12, organism-specific biosystem; Activation of GABAB receptors, organism-specific biosystem; Adrenergic signaling in cardiomyocytes, organism-specific biosystem
Function	G-protein beta/gamma-subunit complex binding; GTP binding; GTPase activity