

Recombinant Human GNA13, His-tagged

Cat. No. GNA13-13343H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human GNA13 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.

Species Human

Source E.coli

ProteinLength 1-377a.a.

Description The protein encoded by this gene belongs to the FGGY kinase family. This protein is a key enzyme in the regulation of glycerol uptake and metabolism. It catalyzes the phosphorylation of glycerol by ATP, yielding ADP and glycerol-3-phosphate. Mutations in this gene are associated with glycerol kinase deficiency (GKD). Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Storage The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

Storage Buffer 1M PBS (58mM Na₂HPO₄, 17mM NaH₂PO₄, 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

GENE INFORMATION

Gene Name GNA13 guanine nucleotide binding protein (G protein), alpha 13 [Homo sapiens]

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Official Symbol	GNA13
Synonyms	GNA13; guanine nucleotide binding protein (G protein), alpha 13; guanine nucleotide-binding protein subunit alpha-13; G13; MGC46138; g alpha-13; G-protein subunit alpha-13;
Gene ID	10672
mRNA Refseq	NM_006572
Protein Refseq	NP_006563
MIM	604406
UniProt ID	Q14344
Chromosome Location	17q24
Pathway	CXCR4-mediated signaling events, organism-specific biosystem; G Protein Signaling Pathways, organism-specific biosystem; G alpha (12/13) signalling events, organism-specific biosystem; G13 Signaling Pathway, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; Hemostasis, organism-specific biosystem; LPA receptor mediated events, organism-specific biosystem;
Function	D5 dopamine receptor binding; G-protein beta/gamma-subunit complex binding; GTP binding; GTPase activity; guanyl nucleotide binding; metal ion binding; nucleotide binding; protein binding; signal transducer activity; type 1 angiotensin receptor binding;

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