Recombinant Human GNAI3 Protein, His-tagged

Cat. No. GNAI3-2207H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GNAI3 Protein (Gly2-Tyr354) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gly2-Tyr354
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 44.1 kDa
Endotoxin	<1.0 EU per 1μg (determined by the LAL method).
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	GNAI3 guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 3 [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

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UniProt ID	P08754

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