Recombinant Human GNAI3 Protein, GST-tagged

Cat. No. GNAI3-5044H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GNAI3 full-length ORF (AAH25285.1, 1 a.a. - 354 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq, Jun 2012]
Molecular Mass	64.68 kDa
AA Sequence	MGCTLSAEDKAAVERSKMIDRNLREDGEKAAKEVKLLLLGAGESGKSTIVKQMKIIHE DGYSEDECKQYKVVVYSNTIQSIIAIIRAMGRLKIDFGEAARADDARQLFVLAGSAEE GVMTPELAGVIKRLWRDGGVQACFSRSREYQLNDSASYYLNDLDRISQSNYIPTQQ DVLRTRVKTTGIVETHFTFKDLYFKMFDVGGQRSERKKWIHCFEGVTAIIFCVALSDY DLVLAEDEEMNRMHESMKLFDSICNNKWFTETSIILFLNKKDLFEEKIKRSPLTICYPE YTGSNTYEEAAAYIQCQFEDLNRRKDTKEIYTHFTCATDTKNVQFVFDAVTDVIIKNN LKECGLY

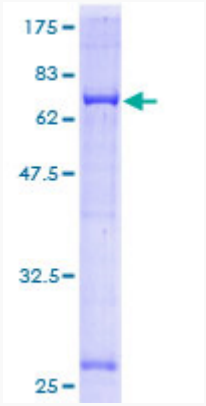
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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	GNAI3 guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 3 [Homo sapiens]
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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Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue.

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