

## Recombinant Human GNAI3, GST-tagged

Cat. No. GNAI3-13348H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human GNAI3 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-354a.a.
<b>Description</b>	This gene encodes beta-galactosidase-1, a lysosomal enzyme that hydrolyzes the terminal beta-galactose from ganglioside substrates and other glycoconjugates. Defects in this gene are the cause of GM1-gangliosidosis and Morquio B syndrome. Multiple transcript variants encoding different isoforms have been found for this gene.
<b>Storage</b>	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
<b>Storage Buffer</b>	1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

### GENE INFORMATION

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Official Symbol</b>	GNAI3
<b>Synonyms</b>	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;
<b>Gene ID</b>	<a href="#">2773</a>
<b>mRNA Refseq</b>	<a href="#">NM_006496</a>
<b>Protein Refseq</b>	<a href="#">NP_006487</a>
<b>MIM</b>	<a href="#">139370</a>
<b>UniProt ID</b>	<a href="#">P08754</a>
<b>Chromosome Location</b>	1p13
<b>Pathway</b>	ADP signalling through P2Y purinoceptor 12, organism-specific biosystem; Activation of GABAB receptors, organism-specific biosystem; Adenylate cyclase inhibitory pathway, organism-specific biosystem; Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; CXCR3-mediated signaling events, organism-specific biosystem; Calcium Regulation in the Cardiac Cell, organism-specific biosystem;
<b>Function</b>	G-protein beta/gamma-subunit complex binding; G-protein coupled serotonin receptor binding; GTP binding; GTPase activity; GTPase activity; guanyl nucleotide binding; guanyl-nucleotide exchange factor activity; metal ion binding; nucleotide binding; phosph

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA