

Recombinant Human GNAO1 Protein, GST-tagged

Cat. No. GNAO1-5045H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GNAO1 full-length ORF (BAG51601.1, 1 a.a. - 354 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	The protein encoded by this gene represents the alpha subunit of the Go heterotrimeric G-protein signal-transducing complex. Defects in this gene are a cause of early-onset epileptic encephalopathy. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2015]
Molecular Mass	66.3 kDa
AA Sequence	MGCTLSAEERAALERSKAIEKNLKEDGISA AKDVKLLLLGAGESGKSTIVKQMKIIHED GFSGEDVKQYKPVVYSNTIQSLAAIVRAMDTLGIEYGDKERKADAKMVCDVVS RME DTEPFS AELLSAMMRLWGGSGIQECFNRSREYQLNGSAKY YLDSLDRIGAADYQPT EQDILRTRVKT TGIVETHFTFKNLHFRLFDVGGQRSE RKKWIHCFEDVT AIIFCVALSG YDQVLHEDETTNRMHESLMLFDSICNNKFFIDTSIILFLNKKDLFG EKIKKSPLTICFPE YTGPN TYEDAAAYIQAQFESKNRSPNKEIYCHMTCATDTNNIQVVFDAVTDIIIANNLR GCGLY
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production

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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	GNAO1 guanine nucleotide binding protein (G protein), alpha activating activity polypeptide O [Homo sapiens]
Official Symbol	GNAO1
Synonyms	GNAO1; guanine nucleotide binding protein (G protein), alpha activating activity polypeptide O; guanine nucleotide-binding protein G(o) subunit alpha; G ALPHA o; guanine nucleotide binding protein, alpha activating polypeptide O; GNAO; G-ALPHA-o; DKFZp686O0962;
Gene ID	2775
mRNA Refseq	NM_020988
Protein Refseq	NP_066268
MIM	139311
UniProt ID	P09471

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