

Recombinant Full Length Human GNAO1 Protein, GST-tagged

Cat. No. GNAO1-5326HF 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	In Vitro Cell Free System
Protein Length	354 amino acids
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 DTEPFSAELLSAMMRLWGGSGIQECFNRSREYQLNGSAKY YLDSLDRIGAADYQPT EQDILRTRVKTTGIVETHFTFKNLHFRLFDVGGQRSERKKWIHCFEDVTAIIFCVALS G YDQVLHEDETTNRMHESLMLFDSICNNKFFIDTSIILFLNKKDLFGEKIKKSPLTICFPE YTGPN TYEDAAAYIQAQFESKNRSPNKEIYCHMTCATDTNNIQVVFDAVTDIIIANNLR GCGLY
Applications	Enzyme-linked Immunoabsorbent Assay

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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 [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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