

Recombinant Human GNAO1 Protein, His-tagged

Cat. No. GNAO1-2208H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GNAO1 Protein (Gly2-Tyr354) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gly2-Tyr354
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 43.7 kDa Accurate Molecular Mass: 43 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 80%
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	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	GNAO1 guanine nucleotide binding protein (G protein), alpha activating activity polypeptide O [Homo sapiens (human)]
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

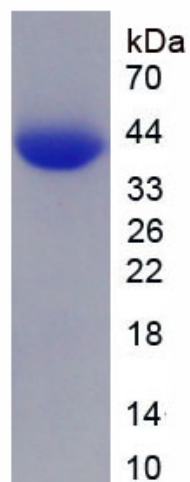
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