

Product Information

MemDX™ Membrane Protein Human GNAO1 (G protein subunit alpha o1) Full Length

Cat. No.: **MPC2163K**

This product is for research use only and is not intended for diagnostic use.

This product is a 40 kDa Human GNAO1 membrane protein expressed in Baculovirus/Insect expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

GNAO1

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

40 kDa

Sequence

MGCTLSAEERAALERSKAIEKNLKEDGISAAKDVKLLLLGAGESGKSTIV
KQMKIIHEDGFGSGEDVKQYKPVVYSNTIQSLAAIVRAMDTLGIEYGDKER
KADAKMVCDVVSRLMEDTEPFSAELLSAMMLWGDSGIQECFNRSREYQLN
DSAKYYLDSLDRIGAADYQPTAQDILRTRVKTGIVETHFTFKNLHFRLF
DVGGQRSEKRWIHCDFEDVTAIIFCVALSGYDQVLHEDETTNRMHESLML
FDSICNNKFFIDTSIILFLNKKDLFGKIKKSPLTICFPEYTGPNITYEDA
AAYIQAQFESKNRSPNKEIYCHMTCATDTNNIQVVFDAVTDIIIANNLRG
CGLY

Product Description

Expression Systems

Baculovirus/Insect expression system

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

GNAO1

Full Name

G protein subunit alpha o1

Introduction

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.

Alternative Names

GNAO1; GNAO; DEE17; NEDIM; EIEE17; HLA-DQB1; G-ALPHA-o; guanine nucleotide-binding protein G(o) subunit alpha; GO2-q chimeric G-protein; guanine nucleotide binding protein (G protein), alpha activating activity polypeptide O; guanine nucleotide-binding regulatory protein 2; G protein subunit alpha o1

Gene ID

[2775](#)

UniProt ID

[P09471](#)