

Product Information

MemDX™ Membrane Protein Human GNAQ (G protein subunit alpha q) Full Length

Cat. No.: **MPC1286K**

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

This product is a 42.1 kDa Human GNAQ 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

GNAQ

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

42.1 kDa

Sequence

MTLESIMACCLSEEAKEARRINDEIERQLRRDKRDARRELKLLLLGTGES
GKSTFIKQMRIIHGSGYSDDEKRGFTKL VYQNIFTAMQAMIRAMDTLKIP
YKYEHNKAHAQLVREVDVEKVSFENPYVDAIKSLWNDPGIQECYDRRRE
YQLSDSTKYLLNDLDRVADPAYLPTQQDVLVRVPTTGII EYPFDLQSVI
FRMVDVGGQSRERRKWIHCFENVTSIMFLValseyDQVLVESDNENRMEE
SKALFRITIYPWFQNSSVILFLNKKDLLEEKIMYSHLVDYFPEYDGPQR
DAQAAREFILKMFVDLNPDSDKIIYSHFTCATDTENIRFVFAAVKDTILQ
LNLKEYNLV

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 -70°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

GNAQ

Full Name

G protein subunit alpha q

Introduction

This locus encodes a guanine nucleotide-binding protein. The encoded protein, an alpha subunit in the Gq class, couples a seven-transmembrane domain receptor to activation of phospholipase C-beta. Mutations at this locus have been associated with problems in platelet activation and aggregation. A related pseudogene exists on chromosome 2.

Alternative Names

GNAQ; GAQ; SWS; CMC1; G-ALPHA-q; guanine nucleotide-binding protein G(q) subunit alpha; epididymis secretory sperm binding protein; guanine nucleotide binding protein (G protein), q polypeptide; guanine nucleotide-binding protein alpha-q; G protein subunit alpha q

Gene ID

[2776](#)

UniProt ID

[P50148](#)