

Product information



GNAQ, 1-359aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP2798

Full name: Guanine nucleotide-binding protein G(q) subunit alpha

NCBI Accession No.: NP_002063

Synonyms: CMC1, G-ALPHA-q, GAQ, SWS

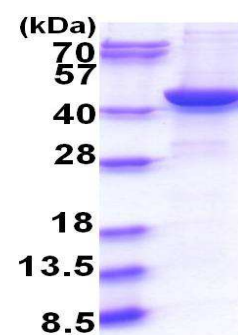
Description: GNAQ is a guanine nucleotide-binding protein. GNAQ, an alpha subunit in the Gq class, couples a seven-transmembrane domain receptor to activation of phospholipase C-beta. Mutations at this locus have been associated with problems in platelet activation and aggregation. A related pseudogene exists on chromosome 2. Recombinant human GNAQ protein, fused to His-tag at N-terminus, was expressed in *E.coli*.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA,
10% glycerol

Molecular Weight: 44.5kDa (382aa)

Purity: > 90% by SDS - PAGE

Concentration: 0.5mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MGSMTLESIM ACCLSEEAKE ARRINDEIER QLRRDKRDAR RELKLLLLGT GESGKSTFIK QMRIIHGSGY
SDEDKRGFTK LVYQNIFTAM QAMIRAMDTL KIPYKYEHNK AHAQLVREVD VEKVSFENP YVDAIKSLWN DPGIQECYDR RREYQLSDST
KYYLNDLDRV ADPAYLPTQQ DVLRRVRPTT GIIEYFDLQ SVIFRMVDVG GQRSEERRKI HCFENVTSIM FLVALSEYDQ VLVEDNENR
MEESKALFRT IITYPWFQNS SVILFLNKKD LLEEKIMYSH LVDYFPEYDG PQRDAQAARE FILKMFVDLN PSDKIIYSH FTCATDTENI
RFVFAAVKDT ILQLNLKEYN LV

General references:

Mudhar,H.S, *et al.* (2013) *Br J Ophthalmol* 97 (7), 924-928

Chishiki,K., *et al.* (2013) *Biochem. Biophys. Res. Commun.* 435 (3), 414-419

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

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