

Product datasheet for AR51618PU-N

OriGene Technologies, Inc.

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G protein alpha Q / GNAQ (1-359, His-tag) Human Protein

Product data:

Product Type: Recombinant Proteins

Description: G protein alpha Q / GNAQ (1-359, His-tag) human recombinant protein, 0.5 mg

Species: Human
Expression Host: E. coli

Expression cDNA Clone

or AA Sequence:

MGSSHHHHHH SSGLVPRGSH MGSMTLESIM ACCLSEEAKE ARRINDEIER QLRRDKRDAR RELKLLLLGT GESGKSTFIK QMRIIHGSGY SDEDKRGFTK LVYQNIFTAM QAMIRAMDTL

KIPYKYEHNK AHAQLVREVD VEKVSAFENP YVDAIKSLWN DPGIQECYDR RREYQLSDST KYYLNDLDRV ADPAYLPTQQ DVLRVRVPTT GIIEYPFDLQ SVIFRMVDVG GQRSERRKWI

HCFENVTSIM FLVALSEYDQ VLVESDNENR MEESKALFRT IITYPWFQNS SVILFLNKKD LLEEKIMYSH LVDYFPEYDG PQRDAQAARE FILKMFVDLN PDSDKIIYSH FTCATDTENI RFVFAAVKDT ILQLNLKEYN

LV

Tag: His-tag
Predicted MW: 44.5 kDa
Concentration: lot specific

Purity: >90% by SDS - PAGE

Buffer: Presentation State: This purified protein is available in a denatured form, making it less

suitable for functional studies. Denatured proteins are better suited for applications like

Western Blot (WB) or imaging assays.

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol

Preparation: Liquid purified protein

Protein Description: Recombinant human GNAQ protein, fused to His-tag at N-terminus, was expressed in E.coli.

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid

repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

RefSeq: NP 002063

Locus ID: 2776

UniProt ID: P50148



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Cytogenetics: 9q21.2

Synonyms: GAQ

Summary: 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 phospolipase C-beta. Mutations at this locus have been associated with problems in platelet activation and aggregation. A related pseudogene exists on chromosome 2.[provided by

RefSeq, Nov 2010]

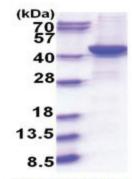
Protein Families: Druggable Genome

Protein Pathways: Alzheimer's disease, Calcium signaling pathway, Gap junction, GnRH signaling pathway,

Huntington's disease, Long-term depression, Long-term potentiation, Melanogenesis,

Vascular smooth muscle contraction

Product images:



15% SDS-PAGE (3ug)