

Product datasheet for **AR51618PU-N**

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 SDEKRGFTK LUYQNIPTAM QAMIRAMDTL KIPYKYEHNK AHAQLVREVD VEKVSFENP YVDAIKSLWN DPGIQECYDR RREYQLSDST KYLLNDLDRV ADPAYLPTQQ DVLRRVPTT GIIEYPFDLQ SVIFRMVDVG GQRSERRKWI HCFENVTSIM FLValseyDQ VLVESDNENR MEESKALFRT IITYPWFQNS SVILFLNKKD LLEEKIMYSH LVDYFPEYDG PQRDAQAARE FILKMFVDLN PDSDKIYSH 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 phospholipase 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:

