

Guanine Nucleotide Binding Protein Recombinant Protein | GNAQ recombinant protein

Recombinant Human Guanine Nucleotide Binding Protein

CATALOG # AAA38033	HOST E Coli
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PRODUCT SYNONYMS

Guanine Nucleotide Binding Protein; Recombinant Human Guanine Nucleotide Binding Protein; GNAQ Human; Guanine Nucleotide Binding Protein Human Recombinant; Guanine Nucleotide Binding Protein (G Protein); Q Polypeptide; Guanine Nucleotide-Binding Protein Alpha-Q; CMC1; SWS; GAQ; Guanine Nucleotide-Binding Protein G(Q) Subunit Alpha; G-ALPHA-Q; Guanine nucleotide-binding protein G(q) subunit alpha; GNAQ recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 90.0% as determined by SDS-PAGE.
Form/Format	GNAQ protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M UREA and 10% glycerol
Sequence	MGSSHHH HHHSSGLVPR GSHMGS MTLESIMACC LSEEAKEARR INDEIERQLR RDKRDARREL KLLLLGTGES GKSTFIKQMR IIHGSGYSDE DKRGFTKLVI QNIFTAMQAM IRAMDTLKIP YKYEHNKAHA QLVREVDVEK VSAFENPYVD AIKSLWNDPG IQECYDRRRE YQLSDSTKYY LNDLDRVADP AYLPTQQDVL RVRVPTTGII EYPFDLQSVI FRMVDVGGQR SERRKWIHCF ENVTSIMFLV ALSEYDQVLV ESDNENRMEE SKALFRTIIT YPWFQNSSVI LFLNKKDLLE EKIMYSHLVD YFPEYDGPQR DAQAAREFIL KMFVDLNPDS DKIIYSHFTC ATDTENIRFV FAAVKDTILQ LNLKEYNLV
Sequence Length	359
Physical Appearance	Sterile Filtered clear solution
Preparation and Storage	Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer periods of time. For long term storage it is recommended to ass a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for GNAQ recombinant protein	Introduction: GNAQ, also known as Guanine nucleotide-binding protein belong to the G-alpha family. Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in a variety of transmembrane signaling systems. GNAQ regulates B-cell selection and survival and is essential in order to prevent B-cell-dependent autoimmunity. GNAQ also regulates chemotaxis of BM-derived neutrophils and dendritic cells, in vitro. GNAQ is an alpha subunit in the Gq class, Description: GNAQ Human Recombinant produced in E Coli is a single, non-glycosylated polypeptide chain containing 382 amino acids (1-359 a.a) and having a molecular mass of 44.5kDa. GNAQ is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Product Categories/Family for GNAQ recombinant protein	Recombinant & Natural Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	40254462
NCBI GeneID	2776
NCBI Accession #	NP_002063.2

NCBI GenBank Nucleotide #	NM_002072.4
UniProt Accession #	P50148; O15108; Q13462; Q6NT27; Q92471; Q9BZB9
Molecular Weight	42,142 Da
NCBI Official Full Name	guanine nucleotide-binding protein G(q) subunit alpha
NCBI Official Synonym Full Names	G protein subunit alpha q
NCBI Official Symbol	GNAQ
NCBI Official Synonym Symbols	GAQ; SWS; CMC1; G-ALPHA-q
NCBI Protein Information	guanine nucleotide-binding protein G(q) subunit alpha
UniProt Protein Name	Guanine nucleotide-binding protein G(q) subunit alpha
UniProt Gene Name	GNAQ
UniProt Synonym Gene Names	GAQ
UniProt Entry Name	GNAQ_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/gnaq-recombinant-protein-e-coli/38033>