

Datasheet for ABIN7548121

## GNAQ Protein (AA 1-359) (His tag)



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### Overview

Quantity:	1 mg
Target:	GNAQ
Protein Characteristics:	AA 1-359
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GNAQ protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant GNAQ Protein expressed in mammalian cells.
Sequence:	<p>MTLESIMACC LSEEAKEARR INDEIERQLR RDKRDARREL KLLLLGTGES GKSTFIKQMR</p> <p>IIHGSGYSDE DKRGFTKLVI QNIFTAMQAM IRAMDTLKIP YKYEHNKAHA QLVREVDVEK</p> <p>VSAFENPYVD AIKSLWNDPG IQECYDRRRE YQLSDSTKYY LNDLDRVADP AYLPTQQDVL</p> <p>RVRVPTTGII EYPFDLQSVI FRMVDVGGQR SERRKWIHCF ENVTSIMFLV ALSEYDQVLV</p> <p>ESDNENRMEE SKALFRTIIT YPWFQNSSVI LFLNKKDLLE EKIMYSHLVD YFPEYDGPQR</p> <p>DAQAAREFIL KMFVDLNPDS DKIIYSHFTC ATDTENIRFV FAAVKDTILQ LNLKEYNLV <b>Sequence</b></p> <p><b>without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b></p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

## Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

## Target Details

Target:	GNAQ
Alternative Name:	GNAQ ( <a href="#">GNAQ Products</a> )
Background:	Guanine nucleotide-binding protein G(q) subunit alpha (Guanine nucleotide-binding protein alpha-q),FUNCTION: Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems. Required for platelet activation. Regulates B-cell selection and survival and is required to prevent B-cell-dependent autoimmunity. Regulates chemotaxis of BM-derived neutrophils and dendritic cells (in vitro) (By similarity). Transduces FFAR4 signaling in response to long-chain fatty acids (LCFAs) (PubMed:27852822). Together with GNA11, required for heart development (By similarity). {ECO:0000250 UniProtKB:P21279, ECO:0000269 PubMed:27852822}.
Molecular Weight:	42.1 kDa
UniProt:	<a href="#">P50148</a>
Pathways:	<a href="#">JAK-STAT Signaling</a> , <a href="#">Thyroid Hormone Synthesis</a> , <a href="#">Myometrial Relaxation and Contraction</a>

## Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months