Datasheet for ABIN1659210

# GNAQ Protein (AA 1-355) (His tag)

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## Overview

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| Quantity: | 1 mg |
| Target: | GNAQ |
| Protein Characteristics: | AA 1-355 |
| Origin: | Geodia cydonium |
| Source: | Yeast |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This GNAQ protein is labelled with His tag. |
| Application: | ELISA |

## Product Details

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| Sequence: | MSCLLSEEER LQKRINTRIN RELQRDHKDA KKEIKLLLLG TGESGKSTFI KQMRIIHGKG YSKQDCLEYK NLVFRNILMS MHSMLQATAE LKIAYIDPDA QRHVQLLMAL RPETAQSLGG ETCEAIRKLW QDAGVQECYQ RRNEYQLSDS TKYYLDDLPR ISSNDYVPTT QDVLRVRVPT TGINEYPFTI NKIIFKMVDV GGQRSERRKW IHCFDHVTSV MFLVAISEYD QILVEADSRV NRMVESLHLF NTIISYPWFN KSSIILFLNK KDLLEEKVMH SHLIDYFEEY DGPKCDHVSA RESIAKMFIS INDMRSADIY PHFTCATDTE NIKFVFDVVK NHILQQHITE VVPGL |
| Specificity: | Geodia cydonium (Sponge) |
| Characteristics: | Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien cells or by baculovirus infection. Be aware about differences in price and lead time. |
| Purity: | > 90 % |

## Target Details

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| Target: | GNAQ |
| Alternative Name: | Guanine nucleotide-binding protein G (q) subunit alpha (GNAQ Products) |
| Background: | Recommended name: Guanine nucleotide-binding protein G(q) subunit alpha.<br>Alternative name(s): Guanine nucleotide-binding protein alpha-q |
| UniProt: | Q9XZV4 |
| Pathways: | JAK-STAT Signaling, Thyroid Hormone Synthesis, Myometrial Relaxation and Contraction |

## Application Details

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| Comment: | The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modificated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies. |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Lyophilized |
| Concentration: | 0.2-2 mg/mL |
| Buffer: | Tris-based buffer, 50 % glycerol |
| Handling Advice: | Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week |
| Storage: | -20 °C |
| Storage Comment: | Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C. |