

Recombinant human GNAI1 protein

Catalog Number: IBATGP1224



PRODUCT INFORMATION

Expression system

E.coli

Domain

1-354aa

UniProt No.

P63096

NCBI Accession No.

NP_002060.4

Alternative Names

Guanine nucleotide-binding protein G(i) subunit alpha, Gi

PRODUCT SPECIFICATION

Molecular Weight

42.7 kDa (377aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

GNAI1, also known as guanine nucleotide-binding protein G (i) subunit alpha, functions to relay information from cell surface receptors to intracellular effectors. Also this protein functions to open atrial potassium channels. Recombinant human GNAI1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>MGCTLSA EDKAAVERSK MIDRNLREDG EKAAREVKLL LLGAGESGKS

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

Manufactured for:

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TIVKQMKIIH EAGYSEEECK QYKAVVYSNT IQSIIAIRA MGRLEKIDFGD SARADDARQL FVLGAAGAEAG FMTAELAGVI
KRLWKDSGVQ ACFNRSREYQ LNDAAAYLN DLDRIAQPNY IPTQQDVLRT RVKTTGIVET HFTFKDLHFK MFDVGGQRSE
RKKWIHCFEG VTAIIFCVAL SDYDLVLAED EEMNRMHESM KLFDSCNNK WFTDTSILF LNKKDLFEEL IKKSPLTICY
PEYAGSNTYE EAAAYIQCF EDLNKRKDTK EIYTHFTCAT DTKNVQFVFD AVTDVVIKNN LKDCGLF

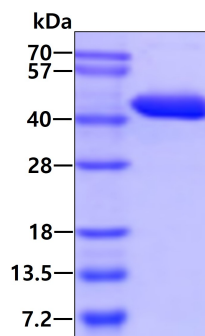
General References

Jones D.T. et al. (1990) J Biol Chem. 265: 2671-2676.

Simon M.I. et al. (1991) Science 252: 802-808.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

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