

GNAI1, 1-354aa, Human, His tag, E.coli

Cat.NO.: TP02284

3th Edition

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

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.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol

Molecular Weight:42.7 kDa(377aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMGCTLSAEDKAAVERSKMIDRNLRDGEKAAREVKLLLLGAGESGKSTIVK
QMKIIEAGYSEEECKQYKAVVYSNTIQSIIAIRAMGRLLKIDFGDSARADDARQLFVLAGAAEEGFMTAELAGVIKRL
WKDSGVQACFNRSREYQLNDSAAYYLNLDRIAQPNIPTQQDVLRTVKTGGIVETHFTFKDLHFKMFDVGGQRS
ERKKWIHCFEGVTAIIFCVALS DYDLVLAEDEEMNRMHESMKLFDSICNNKWFTDTSIILFLNKKDLFEKIKKSPLTIC
YPEYAGSNTYEEAAAYIQCFEDLNKRKDTKEIYTHFTCATDTKNVQFVFDAVTDVVIKNNLKD CGLF

Purity:> 95% by HPLC

Concentration:1.0 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.