

GNAI2, 1-355aa, Human, His tag, E.coli

Cat.NO.: TP02285

3th Edition

Synonyms:Guanine nucleotide-binding protein G(i) subunit alpha-2, GIP, GNAI2B, H_LUCA15.1, H_LUCA16.1.

Description:GNAI2 is an alpha subunit of guanine nucleotide binding proteins (G proteins). The protein contains the guanine nucleotide binding site and is involved in the hormonal regulation of adenylate cyclase. Several transcript variants encoding different isoforms have been detected for this gene, but the full-length nature of only two are known so far.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol

Molecular Weight:42 kDa (375aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGCTVSAEDKAAAERSKMIDKNLREDGEKAAREVKLLLLGAGESGKSTIVKQMKII
HEDGYSEEECRQYRAVVYSNTIQSIMAIVKAMGNLQIDFADPSRADDARQLFALSCTAEEQGVLPDDL SGVIRRLW
ADHGVQACFGRSREYQLNDSAAYYLNDLERIAQSDYIPTQQDVL RTRVKTTGIVETHFTFKDLHFKMFDVGGQRSE
RKKWIHCFEGVTAIIFCVALSAYDLVLAEDEEMNRMHESMKLFDSICNNKWFTDTSIILFLNKKDLFE EKITHSPLTICF
PEYTGANKYDEAASYIQSKFEDLNKRKDTKEIYTHFTCATDTKNVQFVFDVTDVIKNNLKDCGLF

Purity:> 95% by HPLC

Concentration:0.5 mg/ml

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.