

**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  
HEDGYSEEECRQYRAVVYSNTIQSIMAIVKAMGNLQIDFADPSRADDARQLFALSCTAEEQGVLPDDLSGVIRRLW  
ADHGVQACFGRSREYQLNDSAAYYLNDLERIAQSDYIPTQQDVLRTVKTGIVETHFTFKDLHFKMFDVGGQRSE  
RKKWIHC FEGVTAIIFCVALSAYDLVLAEDEEMNRMHESMKLFDSICNNKWFTDTSIILFLNKKDLFE EKITHSPLTICF  
PEYTGANKYDEAASYIQSKFEDLNKRKDTKEIYTHFTCATDTKNVQFVFDAVTDVVIKNNLKDCGLF

**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.