GAI2(Q205L) PROTEIN

产品名称: $G\alpha_i2$(Q205L) 蛋白

货号 10147

产品全名: $G\alpha_i2$ Protein Q205L 突变蛋白

基因符号 Guanine nucleotide binding protein, alpha inhibiting activity polypeptide 2, GNAI2, Galphai2

Source: Human, recombinant full length, His6-tag

Expression 种属反应性: E. coli

分子量: 40 kDa

纯化: >95% by SDS-PAGE

Introduction: Heterotrimeric G proteins are critical cellular signal transducers. $G\alpha_i$ represents one sub-family of G proteins that could mediate the inhibition of adenylyl cyclases. Other biochemical and physiological functions of $G\alpha_i$ proteins are being explored.

Amino Acid Sequence (1-355, Q205L)

MGCTVSAEDKAAAERSKMIDKNLREDGEKAAREVKLLLLGAGESGKSTIVKQMKIIHEDGYSEEECR QYRAVVYSNTIQSIMAIVKAMGNLQIDFADPSRADDARQLFALSCTAEEQGVLPDDLSGVIRRLWAD HGVQACFGRSREYQLNDSAAYYLNDLERIAQSDYIPTQQDVLRTRVKTTGIVETHFTFKDLHFKMFDVGG LRSERKKWIHCFEGVTAIIFCVALSAYDLVLAEDEEMNRMHESMKLFDSICNNKWFTDTSIILFLNKKDL FEEKITHSPLTICFPEYTGANKYDEAASYIQSKFEDLNKRKDTKEIYTHFTCATDTKNVQFVFDAVTDVI IKNNLKDCGLF

Properties

Physical Appearance (form): Dissolved in 20mM Tris-HCl, pH8.0, 150mM NaCl

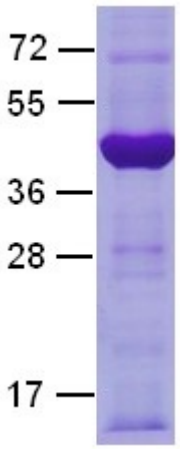
Physical Appearance (form): White or clear

Concentration: 1 mg/mL

Storage: -80°C

Preparation Instructions:

Centrifuge the vial before open the cap and reconstitute in water. Adding of 10 mM β-mercaptoethanol or 1 mM DTT into the solution to protect the protein is recommended and using of non-ionic detergents such as n-Dodecyl β-D-maltoside (DoDM) or polyethylene detergents (e.g. C12E10) also help to stabilize the protein. Avoid repeated freezing and thawing after reconstitution. The purity of His-tagged $G\alpha_i2$ Q205L was determined by SDS-PAGE and Coomassie Brilliant Blue Staining.



References:

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