

Product datasheet for PH306850

OriGene Technologies, Inc.

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GNAI3 (NM 006496) Human Mass Spec Standard

Product data:

Product Type: Mass Spec Standards

Description: GNAI3 MS Standard C13 and N15-labeled recombinant protein (NP_006487)

Species: Human Expression Host: HEK293

Expression cDNA Clone or AA Sequence:

RC206850

Predicted MW: 40.5 kDa

Protein Sequence: >RC206850 protein sequence

Red=Cloning site Green=Tags(s)

MGCTLSAEDKAAVERSKMIDRNLREDGEKAAKEVKLLLLGAGESGKSTIVKQMKIIHEDGYSEDECKQYK VVVYSNTIQSIIAIIRAMGRLKIDFGEAARADDARQLFVLAGSAEEGVMTPELAGVIKRLWRDGGVQACF SRSREYQLNDSASYYLNDLDRISQSNYIPTQQDVLRTRVKTTGIVETHFTFKDLYFKMFDVGGQRSERKK WIHCFEGVTAIIFCVALSDYDLVLAEDEEMNRMHESMKLFDSICNNKWFTETSIILFLNKKDLFEEKIKR SPLTICYPEYTGSNTYEEAAAYIQCQFEDLNRRKDTKEIYTHFTCATDTKNVQFVFDAVTDVIIKNNLKE

CGLY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Concentration: >0.05 μg/μL as determined by microplate BCA method

Labeling Method: Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3

Storage: Store at -80°C. Avoid repeated freeze-thaw cycles.

Stability: Stable for 3 months from receipt of products under proper storage and handling conditions.

RefSeq: NP 006487

RefSeq Size: 4748 RefSeq ORF: 1062

Synonyms: 87U6; ARCND1

Locus ID: 2773





UniProt ID: P08754 Cytogenetics: 1p13.3

Summary: Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers

> in various transmembrane signaling pathways. G proteins are composed of 3 units: alpha, beta and gamma. This gene encodes an alpha subunit and belongs to the G-alpha family.

Mutation in this gene, resulting in a gly40-to-arg substitution, is associated with

auriculocondylar syndrome, and shown to affect downstream targets in the G protein-

coupled endothelin receptor pathway. [provided by RefSeq, Jun 2012]

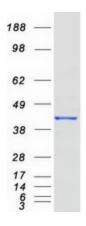
Protein Families: Druggable Genome

Protein Pathways: Axon guidance, Chemokine signaling pathway, Gap junction, Leukocyte transendothelial

migration, Long-term depression, Melanogenesis, Progesterone-mediated oocyte maturation,

Tight junction

Product images:



Coomassie blue staining of purified GNAI3 protein (Cat# [TP306850]). The protein was produced from HEK293T cells transfected with GNAI3 cDNA clone (Cat# [RC206850]) using MegaTran 2.0 (Cat# [TT210002]).