



Recombinant Human GNAI3 Protein Product Manual

1. Product Basic Information

Product No.: REP06998

Protein Name: G(I) Alpha-G Protein Subunit Alpha I3 (GNAI3)

Aliases: 87U6; HG1A; ARCND1; ARCODS; g(i) alpha-G protein subunit alpha i3

UniProt ID: P08754

UniProt Link: <https://www.uniprot.org/uniprotkb/P08754/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-354aa)

Molecular Weight: 44.5kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (1-354aa)

MGCTLSAEDKAAVERSKMIDRNLRDGEKAAKEVKLLLLGAGESGKSTIVKQMKIIH
EDGYSEDECKQYKVVVYSNTIQSIIAIRAMGRLKIDFGAARADDARQLFVLGSAE
EGVMTPELAGVIKRLWRDGGVQACFSRSREYQLNDSASYLNDLDRISQSNYIPTQ
QDVLRTVRVKTGTGIVETHFTFKDLYFKMFDVGGQRSEKRWIHCFCFEGVTAIIFCVALS
DYDLVLAEDEEMNRMHESMKLFDSICNNKWFTETSIILFLNKKDLFEEKIKRSPLTIC
YPEYTGSTNYEEAAAYIQCQFEDLNRRKDTKEIYTHFTCATDTKNVQFVFDAVTDVII
KNNLKECGLY

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions



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Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human GNAI3 full length protein (1-354aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. GNAI3, also known as 87U6 or HG1A or ARCND1, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.