

Recombinant Mouse RGS14 Protein Product Manual

1. Product Basic Information

Product No.: REP08045

Protein Name: Regulator Of G Protein Signaling 14 (RGS14)

Aliases: regulator of G protein signaling 14

UniProt ID: O43566

UniProt Link: <https://www.uniprot.org/uniprotkb/O43566/entry>

Species Source: Mus musculus (Mouse)

Expression System: E.coli

Protein Length: Full Length (1-547aa)

Molecular Weight: 67.3 kDa

Protein Tag: N-terminal 10xHis-tagged and C-terminal Myc-tagged

2. Amino Acid Sequence (1-547aa)

MPGKPKHLGVPNGRMVLAUSDGELTSTAGSQAQGEGRGSSLSIHSPLSGPSSPFS
TEEQPVASWAQSFERLLQDPRGLAYFTEFLKKEFSAENVTFWKACERFQQIPASDT
KQLAQEAHNIYHEFLSSQALSPVNIDRQAWLSEEVLAQPRPDMFRAQQLQIFNLMK
FDSYARFVKSPLYQECLLAEAEGRPLREPGSSHLGSPDTARKKPKLKPGKSLPLGV
EELGQLPLAEGPCGRPLRKSFRREMTGGAMNSALRRESQGSLNSSASLDLGFLAF
VSSKSESHRKSLGSGESESESRPGKYCCVYLPDGTASLALARPGLTIRDMLAGICE
KRGLSLPDIKVYLVGNEQKALVLDQDCTVLADQEVRLNRITFQLELVGLERVVRISA
KPTKRLQEALQPILAKHGLSLDQVVLHRPGEKQPMLENPVSSVASQTLVLDTPPD
AKMSEARSISPCRSQGCLPRTQTKDSHLPPSSSSLLVEDASSSTGNRQTCDIEGLV
ELLNRVQSSGAHDQRGLLRKEDLVLPEFLQLPSQRPGSREAPP

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

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 Mouse RGS14 full length protein (1-547aa) expressed in E.coli. The protein is dual-tagged with 10xHis tag at the N-terminus and Myc tag at the C-terminus, which facilitates protein purification, detection and identification. RGS14, also known as regulator of G protein signaling 14, 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.