



Recombinant Mouse GRIA1 Protein Product Manual

1. Product Basic Information

Product No.: REP07040

Protein Name: Ampa Glur-Glur-Glur-K1 (GRIA1)

Aliases: GLUH1; GLUR1; GLURA; GluA1; HBGR1; MRD67; MRT76; AMPA gluR-gluR-gluR-K1; glutamate receptor AMPA receptor subunit GluA1

UniProt ID: P42261

UniProt Link: <https://www.uniprot.org/uniprotkb/P42261/entry>

Species Source: Mus musculus (Mouse)

Expression System: E.coli

Protein Length: Partial (19-536aa)

Molecular Weight: 62.5 kDa

Protein Tag: N-terminal 10xHis-tagged

2. Amino Acid Sequence (19-536aa)

ANFPNNIQIGGLFPNQSQEHAAFRFALSQLTEPPKLLPQIDIVNISDSFEMTYRFCS
QFSKGVYAIFGFYERRTVNMLTSFCGALHVCFITPSFPVDTSNQFVLQLRPELQEALI
SIIDHYKWQTFVYIYDADRGLSVLQRVLDTAAEKNWQVTAVNILTTTEEGYRMLFQD
LEKKKERLVVVDCESERLNAILGQIVKLEKNGIGYHYILANLGFMDIDLNKFKESGAN
VTGFQLVNYTDTIPARIMQQWRTSDARDHTRVDWKRPKYTSALTYDGVKVMMAEAF
QSLRRQRIDISRRGNAGDCLANPAVPWGQGIDIQRALQQVRFEGLTGNVQFNEKG
RRTNYTLHVIEMKHDGIRKIGYWNEDDKFVPAATDAQAGGDNSSVQNRITYIVTTILE
DPYVMLKKNANQFEGNDRYEGYCVELAAEIAKHVGYSYRLEIVSDGKYGARDPDTK
AWNGMVGELVYGRADVAVAPLTITLVREEVIDFSKPFMSLGISIMIKKPQKSKPGVFS
FLDPLA

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

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 GRIA1 partial protein (19-536aa) expressed in E.coli. The protein is with 10xHis tag at the N-terminus, which facilitates protein purification, detection and identification. GRIA1, also known as GLUH1 or GLUR1 or GLURA, 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.