



Recombinant Human GRM5 Protein Product Manual

1. Product Basic Information

Product No.: REP07042

Protein Name: GRM5

Aliases: mGlu5; GPRC1E; MGLUR5; PPP1R86

UniProt ID: P41594

UniProt Link: <https://www.uniprot.org/uniprotkb/P41594/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Partial (22-580aa)

Molecular Weight: 70.1 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (22-580aa)

SSERRVVAHMPGDIIGALFSVHHQPTVDKVHERKCGAVREQYGIQRVEAMLHTLE
RINS DPTLLPNITLGCEIRDSCWHSVAVALEQSIEFIRD SLISSEEEGLVRCVDGSSSS
FRSKKPIVGVIGPGSSSVAIQVQNLLQLFNIPQIAYSATSM DLSDKTLFKYFMRVVPS
DAQQARAMVDIVKRYNWTYVSAVHTEGNYGESGMEAFKDMSAKEGICIAHSYKIYS
NAGEQSFDKLLKLTSHLPKARVVACFCEGMTVRG LLMAMRRLGLAGEFLLL GSD
GWADRYDVT DGYQREAVGGITIKLQSPDVKWFD DYYLKL RPETNHRNPWFQEFW
QHRFQCRLEGFPQENSKYNKTCNSSLT LKTHHVQDSKMGFVINAIYS MAYGLHNM
QMSLCPGYAGLCDAMKPIDGRKLLESLMKTNFTGVSGDTILFDENG DSPGRYEIMN
FKEMGKDYFDYINVGSWDNGELKMDDDEVWSKKSNIIRSV CSEPCEKGQIKVIRKG
EVSCCW TCTPCKENEYVFDEYTCKACQLGSWPTDDL TGCDLIPVQYLRWGDPEP

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 Human GRM5 partial protein (22-580aa) expressed in E.coli. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. GRM5, also known as mGlu5 or GPRC1E or MGLUR5, 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.