Recombinant Mouse GP6 Protein Product Manual

1. Product Basic Information

Product No.: REP07014

Protein Name: Glycoprotein Glycoprotein Vi Platelet (GP6)

Aliases: GPIV; GPVI; BDPLT11; glycoprotein glycoprotein VI platelet; platelet glycoprotein VI; platelet collagen receptor

UniProt ID: Q9HCN6

UniProt Link: https://www.uniprot.org/uniprotkb/Q9HCN6/entry

Species Source: Mus musculus (Mouse)

Expression System: E.coli

Protein Length: Extracellular Domain (22-265aa)

Molecular Weight: 43.0 kDa

Protein Tag: N-terminal 6xHis-SUMO-tagged

2. Amino Acid Sequence (22-265aa)

QSGPLPKPSLQAQPSSLVPLGQSVILRCQGPPDVDLYRLEKLKPEKYEDQDFLFIPT
MERSNAGRYRCSYQNGSHWSLPSDQLELIATGVYAKPSLSAHPSSAVPQGRDVTL
KCQSPYSFDEFVLYKEGDTGSYKRPEKWYRANFPIITVTAAHSGTYRCYSFSSSSP
YLWSAPSDPLVLVVTGLSATPSQVPTEESFPVTESSRRPSILPTNKISTTEKPMNITA
SPEGLSPPFGFAHQHYAK

3. Storage Buffer

Liquid Delivery Form: Tris-based buffer with 50% glycerol.

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 GP6 extracellular domain protein (22-265aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. GP6, also known as GPIV or GPVI or BDPLT11, 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.