

Recombinant Mouse PSG22 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP52070

Size: 10ug, 100ug

Protein Name: Pregnancy-specific glycoprotein 22

Synonym: Psg22

UniProt ID: Q810J1

UniProt Link: www.uniprot.org/uniprotkb/Q810J1/entry

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 475 AA

Molecular Weight: 53 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MEVSSELLSNGWTSWQRVLLTASLLTCWLLPITAGVTIESVPPKLVEGENVLLRVDNLPENLRVFW
YRGVTDMSLGIALYSLDYSTSVTGPKHSGRETLYRNGSLWIQNVTRDTGYITLQTISKNGKVVSN
SIFLQVNSSLFICGRSPSPALLTIESVPASVAEGGSVLLLVHSLPDNLQSLLWYKGLTVFNKVEIARHR
TVKNSSEMGPAYSGREIVYSNGSLLLQNVTWEDTGFTYTLQIVNRYWKMELAHIYLQVDTSLSSCCDD
FNSVQLRINPVPPhAAEGERVLLQVHNLPELVQTFWYKGVYSTQSFKITEYSIVTESLINGYAHSGR
EILFINGSLLLQDVTEKDSGFYTLVTIDSNVKVETAHVQVNVNKLVTQPVMRVTGSTVRIQGSVVFTCF
SDNTGVSIRWLFNNQNLQLTERMTLSPSKCQLRIHTVRKEDAGEYQCEAFNPVSSKTSPLVRLTVM
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3. Buffer Composition

Liquid format: PBS-based buffer containing 50% glycerol. Glycerol concentration can be customized upon customer request; please state special requirements when placing your order.

Lyophilized format: Buffer before lyophilization is PBS supplemented with 6% trehalose.

4. Storage Conditions

Upon receipt, store the product at -20 °C or -80 °C. Aliquot the product for on-demand use to preserve protein activity and prevent denaturation and inactivation caused by repeated freeze-thaw cycles.

5. Product Description

This product is recombinant Pregnancy-specific glycoprotein 22 produced using the HEK293T eukaryotic cell expression system. It is suitable for in-vitro functional assays, protein-protein interaction studies, antibody preparation and other biomedical research applications.

Protein Function: May have an angiogenic function during early placental development. Binds to cell-surface heparan sulfate proteoglycans (HSPGs), and stimulates secretion of the proangiogenic factors VEGFA and TGFB from uterine dendritic cells and natural killer cells. Also induces endothelial tube formation in vitro.

Subcellular Localization: Secreted .

6. Notes

- Avoid repeated freeze-thaw cycles to maintain protein stability and biological activity.
- Please specify special buffer-composition requirements at the time of order placement.
- For research use only. Not intended for clinical diagnosis, therapeutic use or commercial manufacturing.