

Mouse PGRL / IGSF8 Protein (Fc Tag)

Catalog Number: 51042-M02H



Sino Biological Inc.

Biological Solution Specialist

General Information

Gene Name Synonym:

CD316; CD81P3; EWI-2; EWI2; KCT-4; LIR-D1; PGRL; AA033172; AU041109; ESTM34; EWI-2; KCT-4; PGRL; R75384

Protein Construction:

A DNA sequence encoding the mouse IGSF8 (NP_536344.1) extracellular domain (Met 1-Thr 577) was fused with the Fc region of human IgG1 at the C-terminus.

Source: Mouse

Expression Host: Human Cells

QC Testing

Purity: > 90 % as determined by SDS-PAGE

Endotoxin:

< 1.0 EU per µg of the protein as determined by the LAL method

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Arg 26

Molecular Mass:

The secreted recombinant mouse IGSF8/Fc is a disulfide-linked homodimer. The reduced monomer comprises 793 amino acids and has a calculated molecular mass of 85.8 kDa. The apparent molecular mass of the monomer is approximately 80 kDa in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile PBS, pH 7.4

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

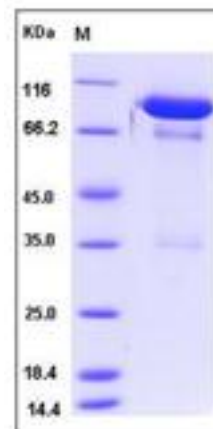
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



References

1. Glazar AI, *et al.* (2009) Immunoglobulin superfamily member IgSF8 (EWI-2) and CD9 in fertilisation: evidence of distinct functions for CD9 and a CD9-associated protein in mammalian sperm-egg interaction. *Reprod Fertil Dev.* 21(2): 293-303.
2. Murdoch JN, *et al.* (2003) Genomic organization and embryonic expression of Igsf8, an immunoglobulin superfamily member implicated in development of the nervous system and organ epithelia. *Mol Cell Neurosci.* 22(1): 62-74.
3. Zhang XA, *et al.* (2003) EWI2/PGRL associates with the metastasis suppressor KAI1/CD82 and inhibits the migration of prostate cancer cells. *Cancer Res.* 63 (10): 2665-74.

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