

Mouse FCGRT & B2M Heterodimer Protein

Catalog Number: CT029-M08H



Sino Biological Inc.

Biological Solution Specialist

General Information

Gene Name Synonym:

alpha-chain; FCRN; FcRn

Protein Construction:

A DNA sequence encoding the extracellular domain (Met 1-Ser 297) of mouse FCGRT (P55899) was fused with a polyhistidine tag at the C-terminus, constructed the plasmid 1; A DNA sequence encoding the mouse B2M (P01887,105Ala/Asp) (Met 1-Met 119) constructed the plasmid 2. The two plasmids were co-expressed and the FCGRT / B2M heterodimer was purified

Source: Mouse

Expression Host: Human Cells

QC Testing

Purity: > 95 % as determined by SDS-PAGE

Bio Activity:

Measured by its ability to bind human IgG1 in functional ELISA.

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: Ala 24 & Ile 21

Molecular Mass:

The recombinant heterodimer of mouse FCGRT / B2M comprises 385 (285 + 100) amino acids and has a calculated molecular mass of 43.5 (31.8 + 11.7) kDa. The apparent molecular mass of FCGRT / B2M heterodimer is approximately 35 & 12 kDa respectively 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:

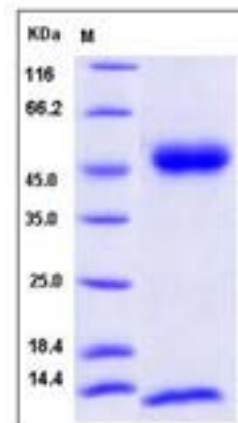
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



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