Cynomolgus FCGRT & B2M Heterodimer Protein

Catalog Number: CT031-C08H

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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 cyno FCGRT (Q8SPV9) was fused with a polyhistidine tag at the C-terminus, constructed the plasmid 1; A DNA sequence encoding the cyno B2M (Q6V7J5) (Met 1-Met 119) constructed the plasmid 2. The two plasmids were co-expressed and the FCGRT/B2M heterodimer was purified.

Source: Cynomolgus

Expression Host: Human Cells

QC Testing

Purity: > 98 % 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 ℃

Predicted N terminal: Ala 24 & Ile 21

Molecular Mass:

The recombinant heterodimer of cyno FCGRT&B2M comprises 384 (285+99) amino acids and has a calculated molecular mass of 43.5 (31.9+ 11.6) KDa. The apparent molecular mass of cyno FCGRT&B2M heterodimer is approximately 35 & 12 KDa respectively in SDS-PAGE

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℃ to -80℃ 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:

