

General Information

Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Ser 298) of rat FCGRT (P13599) was fused with a polyhistidine tag at the C-terminus, constructed the plasmid 1; A DNA sequence encoding the rat B2M (P07151) (Met 1-Met 119) constructed the plasmid 2. The two plasmids were co-expressed and the FCGRT/B2M heterodimer was purified.

Organism

Rat

Expression Host

Human Cells

QC Testing

Purity

> 98 % 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

Ala 23 & Ile 21

Molecular Mass

The recombinant heterodimer of rat FCGRT&B2M

comprises 386 (287+99) amino acids and has a calculated molecular mass of 44 (32.4+ 11.6) KDa. The apparent molecular mass of rat FCGRT&B2M heterodimer is approximately 35 & 12 KDa respectively in SDS-PAGE.

Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

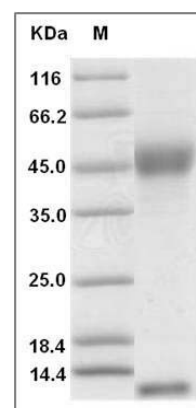
Storage

Store it under sterile conditions at -20°C to -80°C . It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Rat FCGRT & B2M Heterodimer Protein SDS-PAGE