

## Recombinant Mouse Fcgrt protein, His-tagged, Biotinylated

**Cat. No.** Fcgrt-490MB    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant extracellular domain (Met1-Ser297) of mouse FCGRT (Q61559) was fused with a polyhistidine tag at the C-terminus, constructed the plasmid 1; Recombinant mouse B2M (P01887) (Met1-Met119) constructed the plasmid 2. The two plasmids were co-expressed and the mouse FCGRT/B2M heterodimer was purified. The purified protein was biotinylated in vitro.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-297 a.a.
<b>Predicted N Terminal</b>	Ser 22 & Ile 21
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4, 5% trehalose, 5% mannitol and 0.01% Tween80.
<b>Molecular Mass</b>	The recombinant heterodimer of mouse FCGRT/B2M comprises 386 (287+99) amino acids and has a calculated molecular mass of 44.2 (32.5+ 11.7) KDa.
<b>Endotoxin</b>	< 1.0 EU per µg protein as determined by the LAL method.
<b>Purity</b>	> 95 % as determined by SDS-PAGE
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.

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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**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.

**Shipping**

In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

**Conjugation**

Biotin

## GENE INFORMATION

**Gene Name**

Fcgrt Fc receptor, IgG, alpha chain transporter [ *Mus musculus* ]

**Official Symbol**

Fcgrt

**Synonyms**

FCGRT; Fc receptor, IgG, alpha chain transporter; IgG receptor FcRn large subunit p51; neonatal Fc receptor; igG Fc fragment receptor transporter alpha chain; FcRn;

**Gene ID**

14132

**mRNA Refseq**

NM\_010189

**Protein Refseq**

NP\_034319

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