Recombinant Mouse Fcgrt protein, His-tagged, Biotinylated

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

SPECIFICATION

Product Overview	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.
Species	Mouse
Source	HEK293
ProteinLength	1-297 a.a.
Predicted N Terminal	Ser 22 & Ile 21
Form	Lyophilized from sterile PBS, pH 7.4, 5% trehalose, 5% mannitol and 0.01% Tween80.
Molecular Mass	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.
Endotoxin	< 1.0 EU per μg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	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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