

Recombinant Mouse FCGRT & B2M Heterotrimer Protein (Met1-Ser297 & Met1-Met119), His-tagged, Biotinylated

Cat. No. FB-1033M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse FCGRT & B2M Heterotrimer Protein (Q61559)(Met1-Ser297) & (P01887)(Met1-Met119) was produced by HEK293 Cells expression system. The FCGRT protein was fused with a polyhistidine tag at the C-terminus, constructed the plasmid 1. The B2M protein was 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	Met1-Ser297 & Met1-Met119
Predicted N Terminal	Ser 22 & Ile 21
Form	Lyophilized from sterile PBS. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
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

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Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade.
Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. 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 0.2 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] & B2m beta-2 microglobulin [Mus musculus]
Official Symbol	FCGRT & B2M
Synonyms	FCGRT; FcRn & B2M; Ly-m11; beta2m; beta2-m;
Gene ID	14132 & 12010
mRNA Refseq	NM_010189 & NM_009735
Protein Refseq	NP_034319 & NP_033865

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UniProt ID

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