

Active Recombinant Mouse FCGRT&B2M protein, His-tagged, Low Endotoxin

Cat. No. FCGRT & B2M-1421M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse FCGRT&B2M protein(Q61559(FCGRT) & P01887(B2M))(22-297 aa(FCGRT) & 21-119 aa(B2M)), fused with C-terminal His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	22-297 aa(FCGRT) & 21-119 aa(B2M)
Form	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Loaded Mouse FcRn, His Tag on Anti-His-Biosensor can bind Trastuzumab, hFc Tag with an affinity constant of 40.00 nM as determined in BLI assay.
Molecular Mass	The protein has a predicted MW of 32.1 kDa (FCGRT)&11.7 kDa (B2M). Due to glycosylation, the protein migrates to 50-55 kDa (FCGRT)&14-15 kDa (B2M) based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC

 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

Storage -20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Reconstitution Dissolve the lyophilized protein in distilled water.

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

Gene Name 2 B2m beta-2 microglobulin [*Mus musculus*]

Official Symbol 2 B2m

Synonyms 2 B2M; beta-2 microglobulin; beta-2-microglobulin; Ly-m11; beta2m; beta2-m;

Gene ID 2 12010

mRNA Refseq 2 NM_009735

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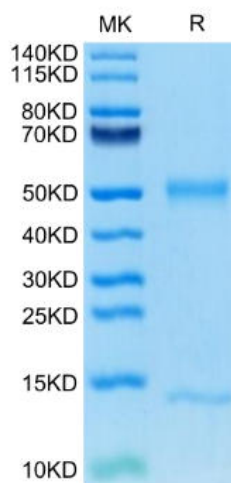
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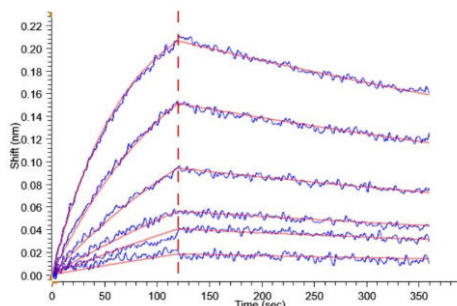
Protein Refseq 2

NP_033865

Bis-Tris PAGE



BLI Data



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