

Active Recombinant Rat FCGRT&B2M protein, His-tagged

Cat. No. FCGRT & B2M-1827R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Rat FCGRT&B2M protein(P13599(FCGRT) & P07151(B2M))(Ala23-Ser298 (FCGRT) & Ile21-Met119 (B2M)) is expressed from HEK293 with His tag at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	23-298 aa(FCGRT) & 21-119 aa(B2M)
Form	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4).
Bio-activity	Rat FcRn, His Tag captured on CM5 Chip via Anti-His Antibody can bind Trastuzumab with an affinity constant of 3.26 nM as determined in SPR assay (Biacore T200).
Molecular Mass	The protein has a predicted MW of 32.60 kDa (FCGRT) and 11.63 kDa (B2M). Due to glycosylation, the protein migrates to 45-60 kDa (FCGRT) and 13-15 kDa (B2M) based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after

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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 fragment of IgG, receptor, transporter, alpha [*Rattus norvegicus*]

Official Symbol FCGRT

Gene ID FCGRT; Fc fragment of IgG, receptor, transporter, alpha; IgG receptor FcRn large subunit p51; neonatal Fc receptor; Fc fragment immunoglobulin G receptor; Fc receptor, IgG, alpha chain transporter; igG Fc fragment receptor transporter alpha chain; FcRn;

mRNA Refseq <http://www.ncbi.nlm.nih.gov/gene/29558>

Protein Refseq http://www.ncbi.nlm.nih.gov/nucore/NM_033351.1

MIM http://www.ncbi.nlm.nih.gov/protein/NP_203502.1

Gene Name 2 B2m beta-2 microglobulin [*Rattus norvegicus*]

Official Symbol 2 B2M

Synonyms 2 B2M; beta-2 microglobulin; beta-2-microglobulin;

Gene ID 2 24223

mRNA Refseq 2 [NM_012512](http://www.ncbi.nlm.nih.gov/nuccore/NM_012512)

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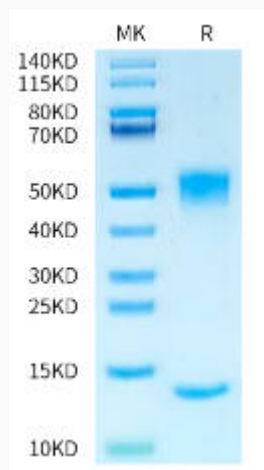
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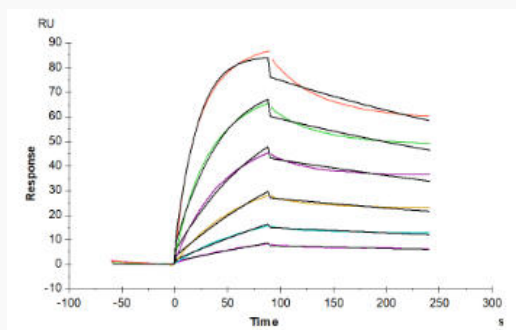
Protein Refseq 2

NP_036644

Bis-Tris PAGE



SPR Data



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