

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

Cat. No. FCGRT & B2M-1050H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FCGRT&B2M protein(P55899-1(FCGRT) & P61769-1(B2M))(24-297 aa(FCGRT) & 21-119 aa(B2M)), fused with C-terminal His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	24-297 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	Immobilized Human FcRn, His Tag at 1 µg/ml (100 µl/well) on the plate. Dose response curve for Anti-FcRn Antibody, hFc Tag with the EC50 of 47.5 ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 31.5 kDa (FCGRT)&11.7 kDa (B2M). Due to glycosylation, the protein migrates to 35-40 kDa (FCGRT)&13-14 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 fragment of IgG, receptor, transporter, alpha [Homo sapiens]

Official Symbol FCGRT

Synonyms FCGRT; Fc fragment of IgG, receptor, transporter, alpha; IgG receptor FcRn large subunit p51; alpha chain; FCRN; FcRn alpha chain; neonatal Fc receptor; neonatal Fc-receptor for Ig; IgG Fc fragment receptor transporter alpha chain; immunoglobulin receptor, intestinal, heavy chain; major histocompatibility complex class I-like Fc receptor; alpha-chain;

Gene ID 2217

mRNA Refseq NM_001136019

Protein Refseq NP_001129491

MIM 601437

UniProt ID P55899

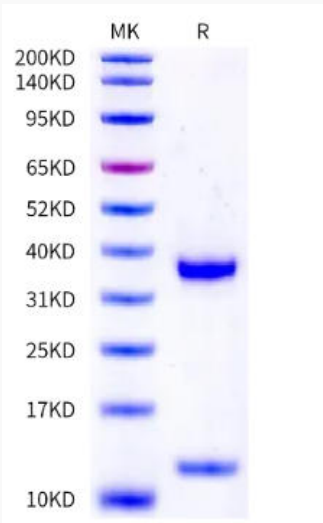
Gene Name 2 B2M beta-2-microglobulin [Homo sapiens]

Official Symbol 2 B2M

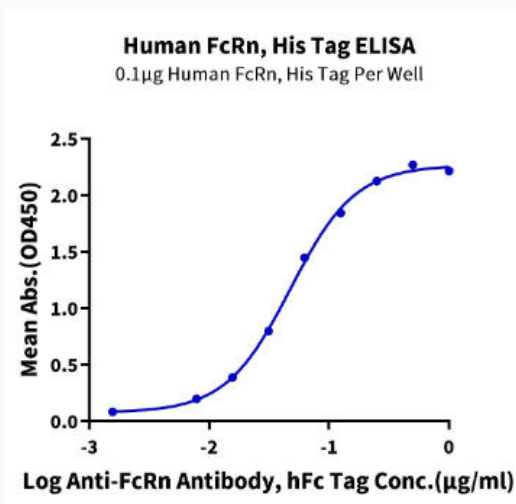
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Synonyms 2	B2M; beta-2-microglobulin; beta-2-microglobin; beta chain of MHC class I molecules;
Gene ID 2	567
mRNA Refseq 2	NM_004048
Protein Refseq 2	NP_004039
MIM 2	109700
UniProt ID 2	P61769
Bis-Tris PAGE	

ELISA Data



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