

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

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

SPECIFICATION

Product Overview	Biotinylated Active Recombinant Human FCGRT & B2M protein(P55899(FCGRT) & P61769((B2M))(Ala24-Ser297(FCGRT)&Ile21-Met119(B2M)) is expressed from HEK293 with His tag and Avi tag at the C-Terminus.
Species	Human
Source	HEK293
ProteinLength	24-297 aa(FCGRT) & 21-119 aa(B2M)
Conjugation/Label	Biotin
Form	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4).
Bio-activity	Biotinylated Human FcRn, His Tag captured on CM5 Chip via anti-his antibody can bind Trastuzumab with an affinity constant of 0.557 uM asdetermined in SPR assay (Biacore T200).
Molecular Mass	The protein has a predicted MW of 46.5 kDa. Due to glycosylation, the protein migrates to 48-55 kDa 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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