

## Recombinant Human FCGRT Protein, AVI-tagged

**Cat. No.** FCGRT-376H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human FCGRT (NP_004098.1) (Met1-Ser297) was fused with a C-terminal polyhistidine tagged AVI tag at the C-terminus, constructed the plasmid 1; A DNA sequence encoding the human B2M (NP_004039.1) (Met1-Met119) constructed the plasmid 2. The two plasmids were co-expressed and the human FCGRT/B2M heterodimer was purified.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met1-Ser297
<b>Predicted N Terminal</b>	Ala 24 & Ile 21
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 %- 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Molecular Mass</b>	The recombinant heterodimer of human FCGRT/B2M comprises 399 (300+99) amino acids and has a calculated molecular mass of 45.3 (33.6+11.7) KDa.
<b>Endotoxin</b>	< 1.0 EU per µg protein as determined by the LAL method.
<b>Purity</b>	(74.0+24.4) % as determined by SDS-PAGE
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -70 centigrade.

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## 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](#)

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