Recombinant Rat FCGRT & B2M Heterotrimer Protein (Met1-Ser298 & Met1-Met119), His-tagged, Biotinylated

Cat. No. FB-1034R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat FCGRT & B2M Heterotrimer Protein (P13599)(Met1-Ser298) & (P07151)(Met1-Met119) was produced by HEK293 Cells expression system. The FCGRT protein was fused with a polyhistidine tag at the C-terminus, constructed the plasmid 1. The B2M protein was constructed the plasmid 2. The two plasmids were co-expressed and the mouse FCGRT/B2M heterodimer was purified. The purified protein was biotinylated in vitro.
Species	Rat
Source	HEK293
ProteinLength	Met1-Ser298 & Met1-Met119
Predicted N Terminal	Ala 23 & Ile 21
Form	Lyophilized from sterile PBS. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant heterodimer of rat FCGRT&B2M comprises 386 (287+99) amino acids and has a calculated molecular mass of 44 (32.4+ 11.6) KDa.
Endotoxin	< 1.0 EU per μg protein as determined by the LAL method.
Purity	> 85 % as determined by SDS-PAGE

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

Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade.
Storage	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 mg/ml. Centrifuge the vial at 4℃ before opening to recover the entire contents.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.
Conjugation	Biotin

GENE INFORMATION

Gene Name	Fcgrt Fc fragment of IgG, receptor, transporter, alpha [Rattus norvegicus] & B2m beta-2 microglobulin [Rattus norvegicus]
Official Symbol	FCGRT & B2M
Synonyms	FCGRT; FcRn & B2M;
Gene ID	29558 & 24223
mRNA Refseq	NM_033351 & NM_012512
Protein Refseq	NP_203502 & NP_036644

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UniProt ID	P13599 & P07151

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