

Recombinant Human FCGRT & B2M Heterodimer Protein (Met1-Ser297 & Met1-Met119), His-AVI-tagged, Biotinylated

Cat. No. FB-1114H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human FCGRT & B2M Heterodimer Protein (NP_004098.1)(Met1-Ser297) & (NP_004039.1)(Met1-Met119) was produced by HEK293 Cells expression system. The FCGRT protein was fused with a C-terminal polyhistidine tagged AVI 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 human FCGRT/B2M heterodimer was purified. The purified heterodimer was biotinylated in vivo by the Biotin-Protein ligase (BirA enzyme) which is co-expressed.
Species	Human
Source	HEK293
ProteinLength	Met1-Ser297 & Met1-Met119
Predicted N Terminal	Ala 24 & Ile 21
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	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.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.

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Purity	> 95 % as determined by SDS-PAGE
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°C 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 [Homo sapiens] & B2M beta-2-microglobulin [Homo sapiens]
Official Symbol	FCGRT & B2M
Synonyms	FCGRT; alpha chain; FCRN; alpha-chain & B2M;
Gene ID	2217 & 567
mRNA Refseq	NM_001136019 & NM_004048

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Protein Refseq	NP_001129491 & NP_004039
MIM	601437 & 109700
UniProt ID	P55899 & P61769

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