

Recombinant Human FCGRT Protein

Cat. No. FCGRT-038H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human IgG1 Fc (rhIgG1 Fc) Glu99 - Lys330 (Accession # AAC82527.1) was expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	99-330 a.a.
Description	This gene encodes a receptor that binds the Fc region of monomeric immunoglobulin G. The encoded protein transfers immunoglobulin G antibodies from mother to fetus across the placenta. This protein also binds immunoglobulin G to protect the antibody from degradation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2009]
Molecular Mass	rhIgG1 Fc, a 232 amino acids protein, has a calculated MW of 26 kDa. DTT-reduced protein migrates as 35 kDa protein due to glycosylation.
Endotoxin	Less than 1.0 EU per 0.5g of the human IgG1 Fc by the LAL method.
Purity	>98% as determined by SDS-PAGE of 20 g reduced rhIgG1 Fc. All lots are greater than 98% pure.
Notes	Research Use Only. Not for use in diagnostic or therapeutic procedures.

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Storage Store at -20 centigrade in lyophilized state after receipt. For long term storage, upon reconstitution rhlG1 Fc should be aliquot and store at -20 centigrade or -8 centigrade centigrade. Avoid repeated freeze-thaw cycles.

Storage Buffer Bulk protein in a 0.22 µ filtered solution of PBS, pH 7.4 and delivered as liquid formulation or lyophilized powder. Normally 5-8% trehalose and mannitol are added as protectants before lyophilization.

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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