

**Fcgrt, 22-297aa, Mouse, His-tag, Baculovirus**

**Cat.NO.: TP02107**

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3th Edition

**Synonyms:** IgG receptor FcRn large subunit p51, Fcgrt, FcRn

**Description:** Fcgrt, as known as IgG receptor FcRn large subunit p51, is a transmembrane glycoprotein with structural homology to MHC class 1 proteins. This protein is widely expressed in endothelial and epithelial cells and plays an important role in IgG homeostasis. Also, it is expressed in neutrophils and myeloid antigen presenting cells. It can enhance IgG-mediated phagocytosis and antigen presentation by these cells, but it promotes the degradation of opsonizing IgG rather than returning it to the circulation. Recombinant mouse Fcgrt, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

**Form:** Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

**Molecular Weight:** 32.1kDa (285aa), 40-57kDa (SDS-PAGE under reducing conditions.)

**Sequences:**

ADPSETRPPLMYHLTAVSNPSTGLPSFWATGWLGPQQYLTYNSLRQEADPCGAWMWENQVSWYWEKETDLS  
KEQLFLEALKTLEKILNGTYTLQGLLGCELASDNSSVPTAVFALNGEEFMKFNPRIGNWTGEWPETEIVANLWMKQ  
PDAARKESEFLLNSCPEERLLGHLERGRNLEWKEPPSMRLKARPGNSGSSVLTCAAFSFYPPELKFRFLRNLAS  
GSGNCSTGPNGDGSFHAWSLLEVVRGDEHHYQCQVEHEGLAQPLTVDLDSARSSHHHHH

**Purity:** > 95% by HPLC

**Concentration:** 0.5mg/ml (determined by Absorbance at 280nm)

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.