

Product datasheet for **TP727448**

Fcgr1 Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse Fc $\hat{\Gamma}$ ³ RI/FCGR1A/CD64 (C-6His)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Glu25-Pro297
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Mouse High affinity immunoglobulin gamma Fc receptor I is produced by our Mammalian expression system and the target gene encoding Glu25-Pro297 is expressed with a 6His tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	14129
UniProt ID:	P26151
Summary:	CD64, also known as Fc-gamma receptor 1 (Fc $\hat{\Gamma}$ ³ RI), is a type of integral membrane glycoprotein that binds monomeric IgG-type antibodies with high affinity. After binding IgG, CD64 interacts with an accessory chain known as the common $\hat{\Gamma}$ ³ chain ($\hat{\Gamma}$ ³ chain), which possesses an ITAM motif that is necessary for triggering cellular activation. CD64 is composed of a signal peptide, three extracellular immunoglobulin domains of the C2-type used to bind antibody, a hydrophobic transmembrane domain, and a short cytoplasmic tail. CD64 mediates endocytosis, phagocytosis, antibody-dependent cellular cytotoxicity, cytokine release, and superoxide production. It is normally expressed on the surfaces of monocytes and macrophages.



[View online »](#)