

## 32-8722: Recombinant Mouse Fc gamma RI/FCGR1A/CD64 (C-6His)

**Gene :** Fcgr1  
**Gene ID :** 14129  
**Uniprot ID :** P26151

### Description

Source: Human Cells.  
MW :31.5kD.

Recombinant Mouse Fc gamma RI is produced by our Mammalian expression system and the target gene encoding Glu25-Pro297 is expressed with a 6His tag at the C-terminus. CD64, also known as Fc-gamma receptor 1 (Fc gamma 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 gamma chain ( gamma 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** EVVNATKAVITLQPPWVSIFQKENVTLWCEGPHLPGDSSTQWFINGTAVQISTPSYSIPEASFQDSGEYRCQIGS  
SMPSPDPVQLQIHNDWLLLQASRRVLTEGEPLALRCHGWKNKLVYNNVVFYRNGKSFQFSSDSEVAILKTNLSHS  
GIYHCSGTGRHRYTSAGVSITVKELFTTPVLRASVSPFPEGSLVTLNCETNLLLQRPGLQLHFSFYVGSKILEYR  
NTSSEYHIARAEREDAGFYWCEVATEDSSVLKRSPELELQVLGPQSSAPVDHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.