

## Product datasheet for **TP727667**

### Mouse Recombinant Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant Mouse Low Affinity IgG Fc Receptor IV/FcγR4/CD16-2 (C-6His)
<b>Species:</b>	Mouse
<b>Expression cDNA Clone or AA Sequence:</b>	Gly21-Gln203
<b>Tag:</b>	C-His
<b>Buffer:</b>	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
<b>Note:</b>	Recombinant Mouse Low Affinity Immunoglobulin Gamma Fc Region Receptor IV is produced by our Mammalian expression system and the target gene encoding Gly21-Gln203 is expressed with a 6His tag at the C-terminus.
<b>Storage:</b>	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.
<b>Stability:</b>	12 months from date of despatch
<b>Synonyms:</b>	Low Affinity Immunoglobulin Gamma Fc Region Receptor IV;FcγR4; CD16-2
<b>Summary:</b>	FcγR4, also known as CD16-2, is one of the receptors for Fc region of IgG which involve in immune responses. FcγR4 mainly functions in cellular response to lipopolysaccharide, NK T cell proliferation, regulation of sensory perception of pain, wound healing etc. Three groups are included for Fcγ receptors (FcγR), and they are FcγRI (CD64), FcγRII (CD32), and FcγRIII (CD16). Among these, CD64 possess high affinity even for monomeric IgG, while CD32 and CD16 display a relative lower affinity for IgG. Genes encode these receptors are diverse differing by species and cell types. The aggregation of FcγR having immunoreceptor tyrosine-based activation motifs (ITAMs) activates sequentially src family tyrosine kinases and syk family tyrosine kinases that connect transduced signals to common activation pathways shared with other receptors. FcγR with ITAMs elicit cell activation, endocytosis, and phagocytosis. FcγR4 belongs to FcγRIII (CD16) group.



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