Product Name: Recombinant Mouse FcgR4 (C-6His)
Catalog #: PHM1097

Summary

Name	Fc gamma RIV/FcgR4/CD16-2/Low Affinity IgG Fc Region Receptor IV
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	AAH27310.1
Host	Human Cells
Species	Mouse
Predicted Molecular Mass	21.9 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

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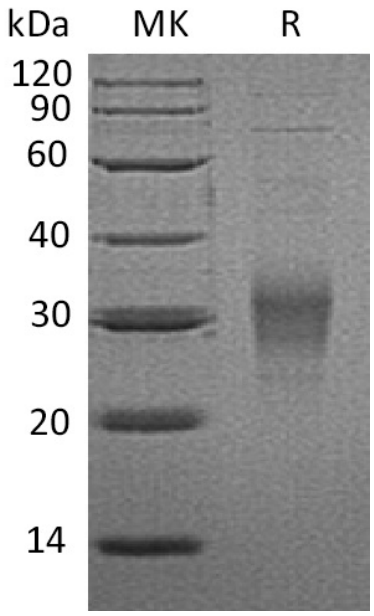

Alternative Names

Low Affinity Immunoglobulin Gamma Fc Region Receptor IV; FcgR4; CD16-2

Background

Fcgr4, also known as CD16-2, is one of the receptors for Fc region of IgG which involve in immune responses. Fcgr4 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 Fc γ receptors (FcR), and they are Fc γ RI (CD64), Fc γ RII (CD32), and Fc γ RIII (CD16). Among these, CD64 possess high affinity even for monomeric IgG, while CD32 and CD16 display a relative lower affinity for IgG. Genes encodes these receptors are diverse differing by species and cell types. The aggregation of FcR 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. FcR with ITAMs elicit cell activation, endocytosis, and phagocytosis. Fcgr4 belongs to Fc γ RIII (CD16) group.

Note

For Research Use Only , Not for Diagnostic Use.