

FCGR4 Protein, Mouse, Recombinant (His & Avi), Biotinylated

General Information

Synonyms:	FcgammaRIV; FcyRIV; 4833442P21Rik; Fcgr3a; FcgRIV; Fcrl3; CD16-2; Fc receptor, IgG, low affinity IV
Protein Construction:	The amino acid sequence corresponding to (Met 1-Gln 203) of mouse FCGR4 (NP_653142.2) was fused with a c-terminal polyhistidine tagged AVI tag at the C-terminus. The expressed protein was biotinylated in vivo by the Biotin-Protein ligase (BirA enzyme) which is co-expressed. Predicted N terminal: Glu 19
Species:	Mouse
Expression Host:	HEK293 Cells
Accession:	A0A0B4J1G0
Molecular Weight:	24.2 kDa (predicted); 35-40 kDa (reducing condition, due to glycosylation)

QC Testing

Biological Activity:	<ol style="list-style-type: none">1. Measured by its ability to bind human IgG1 (Fc) in a functional ELISA.2. Using the Octet RED System, the affinity constant (Kd) of FCGR4 Protein, Mouse, Recombinant (His & AVI Tag), Biotinylated bound to IgG1 Antibody was 0.03 μM. (Routinely tested)3. Loaded Recombinant Mouse FCGR4 Protein, His Tag, Biotinylated on SA Biosensor, can bind Monoclonal Anti-Human CD3 Antibody, Mouse IgG2a with an affinity constant of 22.6nM as determined in BLI assay(QC tested).
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin:	< 1.0 EU/ μ g of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 μ m filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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