

Active Recombinant Mouse Fcgr2b protein(Met1-Arg217), His-tagged

Cat. No. Fcgr2b-648M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse FCGR2B (NP_001070657.1)(Met 1-Arg 217) was expressed in HEK293 with a polyhistidine tag at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Arg217
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	1. Immobilized Mouse FcγRIIB / CD32b recombinant protein at 10 µg/mL can bind biotinylated human IgG1. The EC50 is 0.13-0.29 µg/mL. 2. Loaded Mouse FcγRIIB / CD32b recombinant protein on His1K Biosensor, can bind Bevacizumab (IgG1) with an affinity constant of 1.1 µM as determined in a BLI assay (ForteBio Octet Red384).
Molecular Mass	The secreted recombinant mouse FCGR2B consists of 189 amino acids and has a predicted molecular mass of 21.7 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rm FCGR2B is approximately 34 kDa due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	> 95 % as determined by SDS-PAGE. > 90 % as determined by SEC-HPLC
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Fcgr2b Fc receptor, IgG, low affinity IIb [<i>Mus musculus</i>]
Official Symbol	Fcgr2b
Synonyms	FCGR2B; Fc receptor, IgG, low affinity IIb; low affinity immunoglobulin gamma Fc region receptor II-b; fcRII; FcgammaRIIB; Fc-gamma-RII; fc-gamma RII; Fc gamma RIIB; fc-gamma-RIIB; fc gamma receptor IIB; lymphocyte antigen 17; igG Fc receptor II beta; low affinity immunoglobulin gamma Fc region receptor II; CD32; Fcgr2; Fcr-2; Fcr-3; Ly-17; LyM-1; Lym-1; FcgrII; Fcgr2a; Ly-m20; AI528646; Fc[g]RII; F630109E10Rik;
Gene ID	14130
mRNA Refseq	NM_001077189
Protein Refseq	NP_001070657

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