

Mouse CD32 / FCGR2B Protein (His Tag)

Catalog Number: 50030-M08H



Sino Biological
Biological Solution Specialist

General Information

Gene Name Synonym:

AI528646; CD32; F630109E10Rik; Fcgr2; Fcgr2a; Fcgr2b; Fcgr2c; Fcgr2d; Fcgr2e; Fcgr2f; Fcgr2g; Fcgr2h; Fcgr2i; Fcgr2j; Fcgr2k; Fcgr2l; Fcgr2m; Fcgr2n; Fcgr2o; Fcgr2p; Fcgr2q; Fcgr2r; Fcgr2s; Fcgr2t; Fcgr2u; Fcgr2v; Fcgr2w; Fcgr2x; Fcgr2y; Fcgr2z; Fcgr2aa; Fcgr2ab; Fcgr2ac; Fcgr2ad; Fcgr2ae; Fcgr2af; Fcgr2ag; Fcgr2ah; Fcgr2ai; Fcgr2aj; Fcgr2ak; Fcgr2al; Fcgr2am; Fcgr2an; Fcgr2ao; Fcgr2ap; Fcgr2aq; Fcgr2ar; Fcgr2as; Fcgr2at; Fcgr2au; Fcgr2av; Fcgr2aw; Fcgr2ax; Fcgr2ay; Fcgr2az; Fcgr2ba; Fcgr2bb; Fcgr2bc; Fcgr2bd; Fcgr2be; Fcgr2bf; Fcgr2bg; Fcgr2bh; Fcgr2bi; Fcgr2bj; Fcgr2bk; Fcgr2bl; Fcgr2bm; Fcgr2bn; Fcgr2bo; Fcgr2bp; Fcgr2bq; Fcgr2br; Fcgr2bs; Fcgr2bt; Fcgr2bu; Fcgr2bv; Fcgr2bw; Fcgr2bx; Fcgr2by; Fcgr2bz; Fcgr2ca; Fcgr2cb; Fcgr2cc; Fcgr2cd; Fcgr2ce; Fcgr2cf; Fcgr2cg; Fcgr2ch; Fcgr2ci; Fcgr2cj; Fcgr2ck; Fcgr2cl; Fcgr2cm; Fcgr2cn; Fcgr2co; Fcgr2cp; Fcgr2cq; Fcgr2cr; Fcgr2cs; Fcgr2ct; Fcgr2cu; Fcgr2cv; Fcgr2cw; Fcgr2cx; Fcgr2cy; Fcgr2cz; Fcgr2da; Fcgr2db; Fcgr2dc; Fcgr2dd; Fcgr2de; Fcgr2df; 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Fcgr2yv; Fcgr2yw; Fcgr2yx; Fcgr2yy; Fcgr2yz; Fcgr2za; Fcgr2zb; Fcgr2zc; Fcgr2zd; Fcgr2ze; Fcgr2zf; Fcgr2zg; Fcgr2zh; Fcgr2zi; Fcgr2zj; Fcgr2zk; Fcgr2zl; Fcgr2zm; Fcgr2zn; Fcgr2zo; Fcgr2zp; Fcgr2zq; Fcgr2zr; Fcgr2zs; Fcgr2zt; Fcgr2zu; Fcgr2zv; Fcgr2zw; Fcgr2zx; Fcgr2zy; Fcgr2zz

Protein Construction:

A DNA sequence encoding the extracellular domain (Met 1-Arg 217) of mouse FCGR2B (NP_001070657.1) precursor was expressed with a polyhistidine tag at the C-terminus.

Source: Mouse

Expression Host: HEK293 Cells

QC Testing

Purity: > 95 % as determined by SDS-PAGE. > 90 % as determined by SEC-HPLC

Bio Activity:

1.Loaded Mouse FcγRIIB / CD32b recombinant protein (Cat. 50030-M08H) on His1K Biosensor, can bind Bevacizumab (IgG1) with an affinity constant of 1.1 μM as determined in a BLI assay (ForteBio Octet Red384).
2.The purity of Mouse CD32 / FCGR2B Protein (His Tag) (Cat.50030-M08H) is more than 95% and the molecular weight of this protein is around 26-38 kDa verified by SEC-MALS.

Endotoxin:

< 1.0 EU per μg of the protein as determined by the LAL method

Predicted N terminal: Thr 40

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.

Formulation:

Lyophilized from sterile PBS, pH 7.4

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Stability & Storage:

Samples are stable for twelve months from date of receipt at -20°C to -80°C.

Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:

