

CD32A Protein, Human, Recombinant (167 Arg, hFc)

General Information

Synonyms:	CD32A;FCG2;FCGR2A1;CDw32;Fc γ RIIA;CD32;Fc fragment of IgG receptor IIa;IGFR2;Fc gamma RIIA;FcGR;FCGR2
Protein Construction:	A DNA sequence encoding the extracellular domain (Met 1-Ile 218) of human CD32a (AAA35827.1) was fused with the Fc region of human IgG1 at the C-terminus. It is identical to FCGR2A131H/R in the reference. Predicted N terminal: Gln 34
Species:	Human
Expression Host:	HEK293 Cells
Accession:	AAA35827.1
Molecular Weight:	47.3 kDa (predicted); 55 kDa (reducing condition, due to glycosylation)

QC Testing

Biological Activity:	Measured by its binding ability in a functional ELISA. Immobilized human CD32a-Fc at 10 $\mu\text{g/ml}$ (100 $\mu\text{l/well}$) can bind biotinylated human IgG1 with a linear range of 0.625-10 $\mu\text{g/ml}$.
Purity:	> 90 % as determined by SDS-PAGE
Endotoxin:	< 1.0 EU/ μg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing PBS, pH 7.5. 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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