

## CD32A Protein, Cynomolgus, Recombinant (His & Avi), Biotinylated

### General Information

Synonyms:	Fc fragment of IgG receptor IIa
Protein Construction:	A DNA sequence encoding the Cynomolgus ( <i>Macaca fascicularis</i> ) CD32a (AAL92096.1) extracellular domain (Met 1-Ala 220) 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: Ala 30
Species:	Cynomolgus
Expression Host:	HEK293 Cells
Accession:	Q8SPW4
Molecular Weight:	22.9 kDa (predicted); 33-35 kDa (reducing condition, due to glycosylation)

### QC Testing

Biological Activity:	Immobilized Cynomolgus CD32A Protein (His & AVI Tag), Biotinylated at 2 µg/mL (100 µL/well) can bind Human IgG2 Protein (257 Ser/Ala), the EC50 is 15-140 ng/mL.
Purity:	> 95 % 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 7.4. 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:	Reconstituted with sterile deionized water to 0.25 mg/mL. Reconstitution conditions may vary depending on the lot.
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. <small>Actual storage temperature shall be subject to the COA.</small>
Shipping:	In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

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Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481