

Nectin-4 Protein, Human, Recombinant (hFc & Avi), Biotinylated

General Information

Synonyms: LNIR;PVRL4;EDSS1;PRR4;nectin-4

Protein Construction: A DNA sequence encoding the Human NECTIN4 (NP_112178.2) (Met1-Ser349) was expressed with a c-terminal AVI tagged Fc region of human IgG1 at the C-terminus (Fc-AVI). The expressed protein was biotinylated in vivo by the Biotin-Protein ligase (BirA enzyme) which is co-expressed. Predicted N terminal: Gly 32

Species: Human

Expression Host: HEK293 Cells

Accession: NP_112178.2

Molecular Weight: 62.65 kDa (predicted); 76.3 kDa (reducing conditions)

QC Testing

Biological Activity: Immobilized Recombinant Human NECTIN4/Nectin 4 Protein (ECD, Fc & AVI Tag), Biotinylated on streptavidin precoated (2 µg/mL, 100 µL/well) can bind Recombinant Human CD111 / Nectin-1 / PVRL1 Protein (His Tag), the EC50 is 40-120 ng/mL.

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

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:

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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