



Recombinant Protein Technical Manual
Recombinant Human Dectin/CLEC7A Protein (Fc Tag)
RPES3272

Product Data:

Product SKU: RPES3272

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q9BXN2

Protein Information:

Molecular Mass: 46.9 kDa

AP Molecular Mass: 50-65 kDa

Tag: N-Fc

Bio-activity:

Purity: > 85% as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Beta-glucan receptor; BGR; CD369; CLEC7A; CLECSF12; CLECSF12DC-associated C-type lectin 1; Dectin1; Dectin; DECTIN1CANDF4; CANDF4; DECTIN1

Immunogen Information:

Sequence: Thr66-Met247

Background:

Dectin was recently identified as the most important receptor for beta-glucan. It is a type II transmembrane protein which binds beta,3 and beta,6 glucans, and is expressed on most cells of the innate immune system and has been implicated in phagocytosis as well as killing of fungi by macrophages, neutrophils and dendritic cells. Recognition of beta-glucan by dectin triggers effective immune response, including phagocytosis and proinflammatory factor production, to eliminate infecting fungi, which especially benefits immunocompromised patients against opportunistic fungal infection.