



Recombinant Protein Technical Manual

**Recombinant Influenza B (B/Florida/4/2006)
Nucleoprotein/NP Protein (His Tag)
RPES1111**

Product Data:

Product SKU: RPES1111

Size: 50µg

Species: Influenza B

Expression host: Baculovirus-Insect Cells

Uniprot: ACF54251.1

Protein Information:

Molecular Mass: 63.1 kDa

AP Molecular Mass:

Tag: C-His

Bio-activity:

Purity: > 90 % as determined by reducing SDS-PAGE.

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

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°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 sterile 20 mM PBS, 500 mM NaCl, pH 7.0, 10 % glycerol.

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

Application:

Synonyms: NP Protein, Influenza B;Nucleoprotein Protein, Influenza B

Immunogen Information:

Sequence: Met1-Tyr560

Background:

CD81, also known as TAPA, belongs to the transmembrane 4 superfamily, also known as the tetraspanin family. Members of this family mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. CD81 is a widely expressed cell-surface protein involved in an astonishing variety of biologic responses. It is related to adhesion, morphology, activation, proliferation, and differentiation of B, T, and other cells. On B cells CD81 is part of a complex with CD21, CD19, and Leu13. This complex reduces the threshold for B cell activation via the B cell receptor by bridging Ag specific recognition and CD21-mediated complement recognition.