



Recombinant Protein Technical Manual

Recombinant Human NCF2/P67phox Protein

RPES3557

Product Data:

Product SKU: RPES3557

Size: 50µg

Species: Human

Expression host: Baculovirus-Insect Cells

Uniprot: AAH01606.1

Protein Information:

Molecular Mass: 59.9 kDa

AP Molecular Mass: 60 kDa

Tag:

Bio-activity:

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

Endotoxin: < 1.0 EU per µg 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 20mM Tris, 300mM NaCl, pH 8.0

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

Application:

Synonyms: NCF-2;NOXA2;P67-PHOX;P67PHOX

Immunogen Information:

Sequence: Met 1-Val526

Background:

NCF2, also known as NCF-2 and p67phox, is a subunit of the multi-protein NADPH oxidase complex. NCF2, NCF1, and a membrane bound cytochrome b558 are required for activation of the latent NADPH oxidase. This oxidase produces a burst of superoxide which is delivered to the lumen of the neutrophil phagosome. Mutations in NCF2 gene, as well as in other NADPH oxidase subunits, can result in chronic granulomatous disease, a disease that causes recurrent infections by catalase-positive organisms.