



Recombinant Protein Technical Manual

Recombinant Human Sialidase/NEU Protein (His Tag)

RPES4989

Product Data:

Product SKU: RPES4989

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q99519

Protein Information:

Molecular Mass: 41.3 kDa

AP Molecular Mass: 45-50 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

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

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

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

Application:

Synonyms: Sialidase; Acetylneuraminyl Hydrolase; G9 Sialidase; Lysosomal Sialidase; N-Acetyl-Alpha-Neuraminidase 1; NEU1; NANH

Immunogen Information:

Sequence: Glu48-Leu415

Background:

Sialidase belongs to the N-acetyl-a neuraminidase family. Sialidase is expressed in many tissues; it is highly expressed in the pancreas, and weakly expressed in the brain. Sialidase is a lysosomal enzyme, which cleaves terminal sialic acid residues from substrates such as glycoproteins and glycolipids. Deficiencies in the human enzyme Sialidase leads to sialidosis, a rare lysosomal storage disease. Sialidase has been shown to interact with Cathepsin A (protective protein), β -galactosidase and N-acetylgalactosamine-6-sulfate sulfatase in a multienzyme complex.