



Recombinant Protein Technical Manual

**Recombinant Human Ribonuclease K6/RNASE6
Protein (His Tag)**
RPES3935

Product Data:

Product SKU: RPES3935

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q93091

Protein Information:

Molecular Mass: 15.7 kDa

AP Molecular Mass: 22 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 TrisHCl, 150mM NaCl, 1mM DTT, 10% Glycerol, pH 7.5.

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

Application:

Synonyms: Ribonuclease K6; RNase K6; RNASE6; RNS6

Immunogen Information:

Sequence: Trp24-Leu150

Background:

Ribonuclease K6 (RNASE6) is a secreted protein that belongs to the pancreatic ribonuclease family. Human RNASE6 is synthesized as a 150 amino acid precursor that contains a 23 amino acid signal sequence, and a 127 amino acid mature chain. RNASE6 is expressed in many tissues, with high expression levels in the lung, with lower expression levels in the heart, placenta, kidney, pancreas, liver, brain, and skeletal muscle. It is also detected in monocytes and neutrophils. RNASE6 may have a role in host defense.