



Recombinant Protein Technical Manual
Recombinant Human NIP7/KD93 Protein (His Tag)
RPES0511

Product Data:

Product SKU: RPES0511

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: Q9Y221

Protein Information:

Molecular Mass: 9.0 kDa

AP Molecular Mass: 20 kDa

Tag: N-6His

Bio-activity:

Purity: > 95 % 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 a 0.2 µm filtered solution of 20mM TrisHCl, 100mM NaCl, pH 8.0

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

Application:

Synonyms: 60S Ribosome Subunit Biogenesis Protein NIP7 Homolog; KD93; NIP7

Immunogen Information:

Sequence: Met 1-Thr180

Background:

60S Ribosome Subunit Biogenesis Protein NIP7 Homolog (NIP7) belongs to the NIP7 family. NIP7 contains one PUA domain, it is essential for the process of proper 27S pre-rRNA and 60S ribosome subunit assembly. NIP7 is a monomer form and interacts with NOL8 and SBDS, and may bind to RNA. In addition, NIP7 is one of the many trans-acting factors required for eukaryotic ribosome biogenesis, which interacts with nascent pre-ribosomal particles and dissociates as they complete maturation and are exported to the cytoplasm.