

Recombinant Human NIP7/KD93 Protein (His Tag)

Catalog No. PKSH032811

Note: Centrifuge before opening to ensure complete recovery of vial contents.

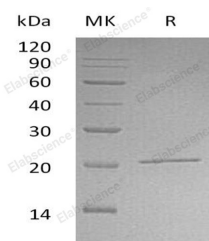
Description

Synonyms	60S Ribosome Subunit Biogenesis Protein NIP7 Homolog;KD93;NIP7
Species	Human
Expression Host	E.coli
Sequence	Met 1-Thr180
Accession	Q9Y221
Calculated Molecular Weight	22.6 kDa
Observed molecular weight	20 kDa
Tag	N-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, 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 Tris-HCl, 100mM NaCl, pH 8.0 . Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

60S Ribosome Subunit Biogenesis Protein NIP7 Homolog (NIP7) belongs to the NIP7 family. NIP7 contains one PUA

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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.