

# Recombinant Human NIP7/KD93 Protein (His Tag)

Catalog Number:PKSH032811



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

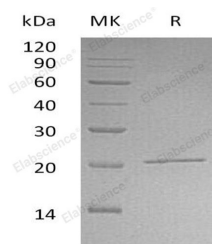
## Description

<b>Synonyms</b>	60S Ribosome Subunit Biogenesis Protein NIP7 Homolog;KD93;NIP7
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Met 1-Thr180
<b>Accession</b>	Q9Y221
<b>Calculated Molecular Weight</b>	22.6 kDa
<b>Observed molecular weight</b>	20 kDa
<b>Tag</b>	N-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	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.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	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 % Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the prin
<b>Reconstitution</b>	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 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.

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