

## NHP2L1 Protein, Human, Recombinant (His)

### General Information

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|-----------------------|--|
| Synonyms:             | High Mobility Group-Like Nuclear Protein 2 Homolog 1;hSNU13;U4/U6.U5 tri-snRNP 15.5 kDa Protein;NHP2-Like Protein 1;NHP2L1;OTK27;SNU13 Homolog |
| Protein Construction: | Met1-Val128  |
| Species:              | Human  |
| Expression Host:      | E. coli  |
| Accession:            | P55769   |
| Molecular Weight:     | 16 KDa (reducing condition)  |
| AA Sequence:          | Met1-Val128  |

### QC Testing

|                      |   |
|----------------------|---|
| Biological Activity: | Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first. |
| Purity:              | Greater than 95% as determined by reducing SDS-PAGE. (QC verified)  |
| Endotoxin:           | < 0.1 ng/μg (1 EU/μg) as determined by LAL test.  |
| Formulation:         | Lyophilized from a solution filtered through a 0.22 μm filter, containing 20 mM Tris-HCl, 600 mM NaCl, pH 8.0.  |

### Preparation and Storage

#### Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months.

Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

NHP2-Like Protein 1 (NHP2L1) is a member of the ribosomal protein L7Ae family. NHP2L1 protein is limited to the nucleus, primarily focused in the dense fibrillar component of the nucleolus. NHP2L1 has been shown to interact with RAD17 and PRPF31. The protein undergoes a conformational change upon RNA-binding. NHP2L1 binds to the 5-stem-loop of U4 snRNA and may play a role in the late stage of spliceosome assembly, prior to step I of splicing.

catalysis.

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