

NIP7 Human

Description: NIP7 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 188 amino acids (1-180 a.a.) and having a molecular mass of 21.5kDa. NIP7 is fused to 8 amino acids His Tag at C-terminus and purified by proprietary chromatographic techniques.

Catalog #: PRPS-787

For research use only.

Synonyms: Nuclear Import 7 Homolog, 60S ribosome subunit biogenesis protein NIP7 homolog KD93, CGI-37, HSPC031, FLJ10296, NIP7.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence: MRPLTEEETR VMFEKIAKYI GENLQLLVDR PDGTYCFRLH
NDRVYYVSEK IMKLAANISG DKLVS LGTCFGKFTKTHKFR LHV TALDYLA PYAKYKVWIK
PGAQSFLYG NHVLKSG LGR ITENTSQYQG VVVYSMA DIPLGFGVAAKST QDCRKVDPMA
IVVFHQADIG EYVRHEETLT LEHHHHHH.

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:

The NIP7 protein solution contains 20mM Tris-HCl buffer (pH8.0), 20% glycerol and 0.1M NaCl.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Usage:

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Introduction:

60S ribosome subunit biogenesis protein NIP7 homolog (NIP7) belongs to NIP7 family and contains 1 PUA domain. NIP7 interacts with pre-ribosome complex and may bind to RNA. NIP7 is vital for proper 27S pre-rRNA processing and 60S ribosome subunit assembly.

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