
Product Data Sheet

Product Name: NIP7 Human
 Cat. No.: GP24043
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Nuclear Import 7 Homolog; 60S ribosome subunit biogenesis protein NIP7 homolog KD93; CGI-37; HSPC031; FLJ10296; NIP7.		
Amino Acid Sequence	MRPLTEEETR VMFEKIAKYI GENLQLLVDR PDGTYCFRLH NDRVYYVSEK IMKLAANISG DKLVSLGTCTFGKFTKTHKFR LHVTALDYLA PYAKYKVIK PGAEQSFLYG NHVLKSGGLGR ITENTSQYQG VVYSMADIPLGFGVAAKST QDCRKVDPMA IIVFHQADIG EYVRHEETLT LEHHHHHH.		
Formulation	The NIP7 protein solution contains 20mM Tris-HCl buffer (pH8.0), 20% glycerol and 0.1M NaCl.		

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.

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.

Background

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.

Caution: Product has not been fully validated for medical applications. For research use only.

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