
Product Data Sheet

Product Name: IMP3 Human
 Cat. No.: GP23703
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	BRMS2; C15orf12; MRPS4; U3 snoRNP protein IMP3.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMVRKLF HEQKLLKQVD FLNWEVTDHN LHELRLVRLRY RLQRREDYTR YNQLSRAVRE LARRLRDLPE RDQFRVRASA ALLDKLYALG LVPTRGSLEL CDFVTASSFC RRRLPTVLLK LRMAQHLQAA VAFVEQGHVR VGPDVVTDPA FLVTRSMEDF VTWVDSSKIK RHVLEYNEER DDFDLEA.		
Formulation	IMP3 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

Introduction

IMP3 is the human homolog of the yeast Imp3 protein and Essential for the early cleavages during pre-18S ribosomal RNA processing. IMP3 is a Part of the 60-80S U3 small nucleolar ribonucleoprotein (U3 snoRNP). IMP3 is a member of to the ribosomal protein S4P family and localizes to the nucleoli and interacts with the U3 snoRNP complex. IMP3 contains an S4 domain. U3 small nucleolar ribonucleoprotein protein IMP3 is a protein which in humans is encoded by the IMP3 gene.

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

IMP3 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 207 amino acids (1-184 a.a) and having a molecular mass of 24kDa.

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

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IMP3 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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