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## Product Data Sheet

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Product Name: LSM12 Human  
 Cat. No.: GP23838  
 Batch No.: 1

### Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	PNAS-135; Protein LSM12 homolog; LSM12.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMAAPPGE YFSVGSQVSC RTCQEQRLQG EVVAFDYQSK MLALKCPSSS GKPNHADILL INLQYVSEVE IINDRTETPP PLASLNVSKL ASKARTEKEE KLSQAYAISA GVSLEGQQLF QTIHKTIKDC KWQEKNIVVM EEVVITPPYQ VENCKGKEGS ALSHVRKIVE KHFRDVESQK ILQRSQAQQP QKEAALSS.		
Formulation	LSM12 protein solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 7.5), 0.1M NaCl, 10% glycerol and 1mM DTT.		

### Introduction

LSM12 Homolog, U6 Small Nuclear RNA Associated (LSM12) is a member of the snRNP Sm proteins family. Sm-like proteins were detected in various organisms based on sequence homology with the Sm protein family. Sm-like proteins comprise the Sm sequence motif, which consists of two regions parted by a linker of variable length which folds as a loop. The Sm-like proteins are assumed to create a stable heteromer present in tri-snRNP particles, which are significant for pre-mRNA splicing.

### 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

LSM12 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 218 amino acids (1-195 a.a.) and having a molecular mass of

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

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24.1kDa.LSM12 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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