

## Product datasheet for PH303562

### LSM10 (NM\_032881) Human Mass Spec Standard

#### Product data:

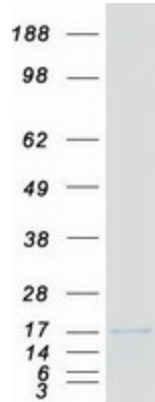
Product Type:	Mass Spec Standards
Description:	LSM10 MS Standard C13 and N15-labeled recombinant protein (NP_116270)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203562
Predicted MW:	14.1 kDa
Protein Sequence:	>RC203562 protein sequence Red=Cloning site Green=Tags(s)  MAVSHSVKERTISENSLIILLQGLQGRVTTVDLRDESVAHGRIDNVDAFMNIRLAKVITYTDRWGHQVKLD DLFVTGRNVRYVHIPDDVNITSTIEQQLQIHRVRNFGGKGQGRWEFPPKNCK  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u><a href="#">NP_116270</a></u>
RefSeq Size:	869
RefSeq ORF:	369
Synonyms:	MST074; MSTP074
Locus ID:	84967
UniProt ID:	<u><a href="#">Q969L4</a></u>
Cytogenetics:	1p34.3



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**Summary:**

Appears to function in the U7 snRNP complex that is involved in histone 3'-end processing. Increases U7 snRNA levels but not histone 3'-end pre-mRNA processing activity, when overexpressed. Required for cell cycle progression from G1 to S phases. Binds specifically to U7 snRNA. Binds to the downstream cleavage product (DCP) of histone pre-mRNA in a U7 snRNP dependent manner.[UniProtKB/Swiss-Prot Function]

**Product images:**

Coomassie blue staining of purified LSM10 protein (Cat# [TP303562]). The protein was produced from HEK293T cells transfected with LSM10 cDNA clone (Cat# [RC203562]) using MegaTran 2.0 (Cat# [TT210002]).