Product datasheet for PH305835

LSM7 (NM_016199) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	LSM7 MS Standard C13 and N15-labeled recombinant protein (NP_057283)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205835
Predicted MW:	11.6 kDa
Protein Sequence:	>RC205835 protein sequence Red=Cloning site Green=Tags(s) MADKEKKKKESILDLSKYIDKTIRVKFQGGREASGILKGFDPLLNLVLDGTIEYMRDPDDQYKLTEDTRQ LGLVVCRGTSVVLICPQDGMEAIPNPFIQQQDA 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:	NP_057283
RefSeq Size:	536
RefSeq ORF:	309
Synonyms:	YNL147W
Locus ID:	51690
UniProt ID:	Q9UK45
Cytogenetics:	19p13.3

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Summary: Sm-like proteins were identified in a variety of organisms based on sequence homology with the Sm protein family (see SNRPD2; MIM 601061). Sm-like proteins contain the Sm sequence motif, which consists of 2 regions separated by a linker of variable length that folds as a loop. The Sm-like proteins are thought to form a stable heteromer present in tri-snRNP particles, which are important for pre-mRNA splicing.[supplied by OMIM, Apr 2004]

Protein Families: Stem cell - Pluripotency

Protein Pathways: RNA degradation, Spliceosome

Product images:

Coomassie blue staining of purified LSM7 protein (Cat# [TP305835]). The protein was produced from HEK293T cells transfected with LSM7 cDNA clone (Cat# [RC205835]) using MegaTran 2.0 (Cat# [TT210002]).