LSM14A Peptide - Middle Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	LSM14A, Blocking Peptide
Full Product Name	LSM14A Peptide - middle region
Product Gene Name	LSM14A blocking peptide
Product Synonym Gene Name	C19orf13; DKFZP434D1335; FAM61A; RAP55; RAP55A
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	LSM14A peptide (MBS3237087) is used for blocking the activity of LSM14A antibody (MBS3212140)
Molecular Weight	50kDa
OMIM	610677
Product Categories/Family for LSM14A blocking peptide	Peptide
Applications Tested/Suitable for LSM14A blocking peptide	Western Blot (WB)
Related Product Information for LSM14A blocking peptide	This is a synthetic peptide designed for use in combination with anti-LSM14A antibody made Target Description: Sm-like proteins were identified in a variety of organisms based on sequence homology with the Sm protein family. 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.
Other Notes	Small volumes of LSM14A blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for LSM14A purchase	MBS3237087 is a blocking peptide targeting LSM14A. Also known as LSM14A Peptide - middle region.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for LSM14A. It may not necessarily be applicable to this product.

NCBI GI #	166197710
NCBI GeneID	26065
NCBI Accession #	NP_056393
UniProt Primary Accession #	Q8ND56
UniProt Related Accession #	Q8ND56
GenBank Nucleotide #	NM_015578
NCBI Official Full Name	protein LSM14 homolog A isoform b
NCBI Official Synonym Full Names	LSM14A mRNA processing body assembly factor
NCBI Official Symbol	LSM14A

NCBI Official Synonym Symbols	RAP55; FAM61A; RAP55A; C19orf13
UniProt Protein Name	Protein LSM14 homolog A
UniProt Synonym Protein Names	Protein FAM61A; Protein SCD6 homolog; Putative alpha-synuclein-binding protein; AlphaSNBP; RNA-associated protein 55A; hRAP55; hRAP55A
Protein Family	Protein
UniProt Gene Name	LSM14A
UniProt Synonym Gene Names	C19orf13; FAM61A; RAP55; RAP55A; AlphaSNBP; hRAP55; hRAP55A
UniProt Entry Name	LS14A_HUMAN
NCBI Protein Information	protein LSM14 homolog A
NCBI Summary for LSM14A	Sm-like proteins were identified in a variety of organisms based on sequence homology with the Sm protein family (see SNRPD2; 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, Mar 2008]
UniProt Comments for LSM14A	alphaSNBP(A): Essential for formation of P-bodies, cytoplasmic structures that provide storage sites for non-translating mRNAs. Belongs to the LSM14 family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Translation; RNA-binding Chromosomal Location of Human Ortholog: 19q13.11 Cellular Component: intracellular membrane-bound organelle; stress granule; cytoplasm Molecular Function: single-stranded RNA binding; double-stranded DNA binding; double-stranded RNA binding Biological Process: regulation of translation; multicellular organismal development; cytoplasmic mRNA processing body assembly
Research Articles on LSM14A	**1.** alpha-synuclein p.A53V homozygous mutation leads to a distinct phenotype of progressive parkinsonism and cognitive decline, commonly observed in patients with SNCA missense mutation or multiplications
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