LHX5 Blocking Peptide (Center) Blocking Peptide

PRODUCT OVERVIEW

Product Name	LHX5, Blocking Peptide
Full Product Name	LHX5 Blocking Peptide (Center)
Product Gene Name	LHX5 blocking peptide
Product Synonym Names	LIM/homeobox protein Lhx5; LIM homeobox protein 5; LHX5
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 1 mg/ml.
Specificity	The synthetic peptide sequence is selected from aa 255-269 of HUMAN LHX5
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	LHX5 peptide (MBS9229779) is used for blocking the activity of LHX5 antibody (MBS9208604)
Molecular Weight	44,406 Da
OMIM	605992
Cellular Location	Nucleus.
Tissue Location	Expressed in fetal brain and in various regions of the adult central nervous system including the spinal cord, the thalamus, and the cerebellum
Related Product Information for LHX5 blocking peptide	Plays an essential role in the regulation of neuronal differentiation and migration during development of the central nervous system.
Other Notes	Small volumes of LHX5 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 LHX5 purchase	MBS9229779 is a blocking peptide targeting LHX5. Also known as LHX5 Blocking Peptide (Center).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for LHX5. It may not necessarily be applicable to this product.

NCBI GI #	18202938
NCBI GeneID	64211
NCBI Accession #	Q9H2C1.1
UniProt Primary Accession #	Q9H2C1
UniProt Secondary Accession #	Q32MA4
UniProt Related Accession #	Q9H2C1
NCBI Official Full Name	LIM/homeobox protein Lhx5
NCBI Official Synonym Full Names	LIM homeobox 5
NCBI Official Symbol	LHX5
UniProt Protein Name	LIM/homeobox protein Lhx5
Protein Family	LIM/homeobox protein

UniProt Gene Name	LHX5
UniProt Synonym Gene Names	LIM homeobox protein 5
UniProt Entry Name	LHX5_HUMAN
NCBI Protein Information	LIM/homeobox protein Lhx5
NCBI Summary for LHX5	This gene encodes a protein belonging to a large protein family, members of which carry the LIM domain, a unique cysteine-rich zinc-binding domain. The encoded protein may function as a transcriptional regulator and be involved in the control of differentiation and development of the forebrain. In mice, this protein is essential for the regulation of precursor cell proliferation and the control of neuronal differentiation and migration during hippocampal development. This protein is involved in learning and motor functions in adult mice. [provided by RefSeq, Jul 2008]
UniProt Comments for LHX5	LHX5: Plays an essential role in the regulation of neuronal differentiation and migration during development of the central nervous system. Protein type: DNA-binding Chromosomal Location of Human Ortholog: 12q24
Research Articles on LHX5	**1.** Variation is not a highly penetrant autosomal dominant susceptibility locus for mood disorder in families.
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