

# Recombinant Human LSAMP Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. LSAMP-3992H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	LSAMP MS Standard C13 and N15-labeled recombinant protein (NP_002329) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	This gene encodes a member of the immunoglobulin LAMP, OBCAM and neurotrimin (IgLON) family of proteins. The encoded preproprotein is proteolytically processed to generate a neuronal surface glycoprotein. This protein may act as a selective homophilic adhesion molecule during axon guidance and neuronal growth in the developing limbic system. The encoded protein may also function as a tumor suppressor and may play a role in neuropsychiatric disorders. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed.
<b>Molecular Mass</b>	37.4 kDa
<b>AA Sequence</b>	MVRRVQPDRKQLPLVLLRLLCLLPTGLPVRVDFNRGTDNITVRQGDTAILRCVVED KNSKVAWLNRSGIIFAGHDKWSLDPRVELEKRHSLEYSRLRIQKVDVYDEGSYTCVSVQ TQHEPKTSQVYLIVQVPPKISNISSDVTVNEGSNVTLCMANGRPEPVITWRHLTPT GREFEGEEEYLEILGITREQSGKYECKAANEVSSADVQVKVTVNYPPTITESKSNE ATTGRQASLKCEASAVPAPDFEWYRDDTRINSANGLEIKSTEGQSSLTVTNVTEEHY

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GNYTCVAANKLGVNLSLVLFRPGSVRGINGSISLAVPLWLLAASLLCLLSKCTRTRP  
LEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** LSAMP limbic system-associated membrane protein [ Homo sapiens (human) ]

**Official Symbol** LSAMP

**Synonyms** LSAMP; limbic system-associated membrane protein; IgLON family member 3; IGLON3; LAMP; FLJ34254; FLJ35396; FLJ37216; FLJ54658;

**Gene ID** 4045

**mRNA Refseq** NM\_002338

**Protein Refseq** NP\_002329

**MIM** 603241

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