

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

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

SPECIFICATION

Product Overview	LSAMP MS Standard C13 and N15-labeled recombinant protein (NP_002329) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	37.4 kDa
AA Sequence	MVRRVQPDRKQLPLVLLRLLCLLPTGLPVRSDFNRGTDNITVRQGDTAILRCVVED KNSKVAWLNRSGIIFAGHDKWSLDPRVELEKRHSLEYSRLRIQKVDVYDEGSYTCVQ TQHEPKTSQVYLIVQVPPKISNISSDVTVNEGSNVTLCMANGRPEPVITWRHLTPT GREFEGEEEYLEILGITREQSGKYECKAANEVSSADVQVKVTVNYPPTITESKSNE ATTGRQASLKCEASAVPAPDFEWYRDDTRINSANGLEIKSTEGQSSLTVTNVTEEHY

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GNYTCVAANKLGVTNASLVLFPRPGSVRGINGSISLAVPLWLLAASLLCLLSKCTRTRP
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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UniProt ID

Q13449

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