

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 KNSKVAWLNRSGLIFAGHDKWSLDPRVELEKRHSLEYSRLRIQKVDVYDEGSYTCVQ 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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