

Recombinant Human LSAMP

Cat. No. LSAMP-29434TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length protein of Human LSAMP with a N terminal proprietary tag; Predicted MWt 59.62kDa.
Species	Human
Source	Wheat Germ
ProteinLength	310 amino acids
Description	The protein encoded by this gene is a neuronal surface glycoprotein found in cortical and subcortical regions of the limbic system. During development of the limbic system, this encoded protein is found on the surface of axonal membranes and growth cones, where it acts as a selective homophilic adhesion molecule, and guides the development of specific patterns of neuronal connections.
Molecular Weight	59.620kDa inclusive of tags
Tissue specificity	Expressed on limbic neurons and fiber tracts as well as in single layers of the superior colliculus, spinal chord and cerebellum.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.79% Tris HCl, 0.3% Glutathione

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	VRSVDFNRGTDNITVRQGDTAILRCVVEDKNSKVAWLNRS GIIFAGHDKWSLDPRV ELEKRHSLEYSRLRIQKVDVYDEGS YTCSVQTQHEPKTSQVYLIVQVPPKISNISSDVT VNEGSN VTLVCMANGRPEPVITWRHLTPTGREFEGEEEEYLEILGIT REQSGKYECK AANEVSSADVKQVKVTVNPPTITESKSNE ATTGRQASLKCEASAVPAPDFEWYRD DTRINSANGLEIKS TEGQSSLTVTNVTEEHYGNYYTCVAANKLGVTNASLVLFPR GS VRGINGSISLAVPLWLLAASLLCLLSKC
Sequence Similarities	Belongs to the immunoglobulin superfamily. IgLON family.Contains 3 Ig-like C2-type (immunoglobulin-like) domains.

GENE INFORMATION

Gene Name	LSAMP limbic system-associated membrane protein [Homo sapiens]
Official Symbol	LSAMP
Synonyms	LSAMP; limbic system-associated membrane protein; IgLON family member 3; IGLON3; LAMP;
Gene ID	4045
mRNA Refseq	NM_002338
Protein Refseq	NP_002329
MIM	603241
Uniprot ID	Q13449

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Chromosome Location	3q13.2-q21
Function	protein binding;