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Datasheet for ABIN1880685

LSAMP Protein (AA 29-315) (His tag)

Overview

Quantity:	50 µg
Target:	LSAMP
Protein Characteristics:	AA 29-315
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LSAMP protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Limbic System-Associated Membrane Protein/LSAMP (C-6His)
Sequence:	VRSVDFNRGT DNITVRQGDT AILRCVVEDK NSKVAWLNRSGIIFAGHDKW SLDP RVELEK RHSLEYSRLRI QKVDVYDEGS YTCSVQTQHE PKTSQVYLIV QVPPKISNIS SDVTVNESGN VTLVCMANGR PEPVITWRHL TPTGREFEGE EEYLEILGIT REQSGKYECK AANEVSSADV KQVKVTVNYP PTITESKSNE ATTGRQASLK CEASAVPAPD FEWYRDDTRI NSANGLEIKS TEGQSSSLTVT NVTEEHYGNV TCVAANKLGV TNASLVLFRRP GSVRGINVDH HHHHH
Characteristics:	Recombinant Human Limbic system-associated membrane protein/LSAMP is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Val29-Asn315) of Human LSAMP fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	LSAMP
Alternative Name:	Limbic System-Associated Membrane Protein/LSAMP (LSAMP Products)
Sub Type:	Fusionprotein
Background:	<p>Limbic system-associated membrane protein is also known as LSAMP, IgLON family member 3. In humans, it is encoded by the LSAMP gene. It belongs to the immunoglobulin superfamily and contains 3 Ig-like C2-type domains. Limbic system-associated membrane protein mediates selective neuronal growth and axon targeting. It contributes to the guidance of developing axons and remodeling of mature circuits in the limbic system. It is also essential for normal growth of the hippocampal mossy fiber projection</p> <p>Alternative Names: Limbic system-associated membrane protein is also known as LSAMP, IgLON family member 3.</p>
Molecular Weight:	32.8 kDa
UniProt:	Q13449

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
Expiry Date:	3 months