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Datasheet for ABIN7317408 LSAMP Protein (Fc Tag)

Overview

Quantity:	100 µg
Target:	LSAMP
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This LSAMP protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human LSAMP Protein (Fc Tag)(Active)
Sequence:	Met 1-Asn 315
Characteristics:	A DNA sequence encoding the human LSAMP (Q13449) (Met 1-Asn 315), without the pro peptide, was fused with the Fc region of human IgG1 at the C-terminus.
Purity:	> 97 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized recombinant human OPCML-His at 10 µg/mL can bind recombinant human LSAMP-Fc with a linear range of 31.25-250 ng/mL.

Target Details

Target:	LSAMP
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Target Details

Alternative Name: LSAMP ([LSAMP Products](#))

Background: Background: The limbic system-associated membrane protein (LAMP) is a cell surface glycoprotein expressed by cortical and subcortical regions of the mammalian CNS that comprise or receive direct projections from limbic system structures. The 64-68- kDa glycoprotein limbic system-associated membrane protein (LsAMP) is expressed on the surface of somata and proximal dendrites of neurons. These areas perform cognitive and autonomic functions, also learning and memory. The functional analysis indicates that LsAMP acts as a selective adhesion molecule, serving as a guidance cue for specific patterns of connectivity, which underlies the normal development of the limbic system. In animal studies there have been found that rats with increased level of anxiety had 1.6-fold higher expression of LsAMP gene in the periaqueductal gray compared to rats with low level of anxiety, indicating a possible role of LsAMP in the regulation of anxiety.

Synonym: FLJ34254,FLJ35396,FLJ37216,FLJ54658,IGLON3,LAMP

Molecular Weight: 59 kDa

UniProt: [Q13449](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.