Recombinant Human LSAMP Protein (Fc Tag)

Catalog No. PKSH030896

Note: Centrifuge before opening to ensure complete recovery of vial contents.

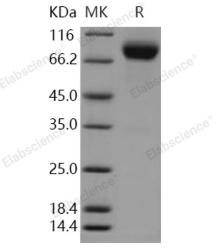
Description

Synonyms	FLJ34254;FLJ35396;FLJ37216;FLJ54658;IGLON3;LAMP
Species	Human
Expression Host	HEK293 Cells
Sequence	Met 1-Asn 315
Accession	Q13449
Calculated Molecular Weight	59.0 kDa
Observed molecular weight	80-85 kDa
Tag	C-hFc
Bioactivity	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.

Properties

Purity	> 97 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 97 % as determined by reducing SDS-PAGE.

Background

The limbic system-associated membrane protein (LAMP) is a cell surface glycoprotein expressed by cortical and

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017
Web: www.elabscience.com Email: techsupport@elabscience.com

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.

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017
Web: www.elabscience.com Email: techsupport@elabscience.com