Recombinant Human LSAMP Protein (Fc Tag)

Catalog Number: PKSH030896

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

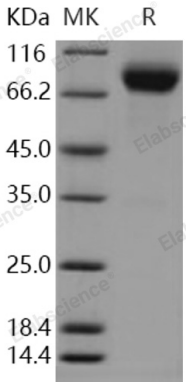
Description

Species	Human
Source	HEK293 Cells-derived Human LSAMP protein Met 1-Asn 315, with an C-terminal hFc
Calculated MW	59.0 kDa
Observed MW	80-85 kDa
Accession	Q13449
Bio-activity	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% Tween 80 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 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.

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