

Recombinant Mouse L1cam Protein, His-tagged

Cat. No. L1cam-1725M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse L1cam Protein (Ser882-Ala1132) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Ser882-Ala1132
Description	Enables several functions, including identical protein binding activity; integrin binding activity; and sialic acid binding activity. Acts upstream of or within several processes, including cell-cell adhesion mediated by integrin; heterophilic cell-cell adhesion via plasma membrane cell adhesion molecules; and homophilic cell adhesion via plasma membrane adhesion molecules. Located in external side of plasma membrane; presynaptic membrane; and terminal bouton. Is expressed in several structures, including alimentary system; nervous system; respiratory system; sensory organ; and urinary system. Used to study MASA syndrome. Human ortholog(s) of this gene implicated in MASA syndrome; hydrocephalus; ovarian carcinoma; pancreatic cancer; and schizophrenia. Orthologous to human L1CAM (L1 cell adhesion molecule).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 27.86 kDa
Purity	> 97%

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	L1cam L1 cell adhesion molecule [<i>Mus musculus</i> (house mouse)]
Official Symbol	L1cam
Synonyms	L1CAM; L1 cell adhesion molecule; neural cell adhesion molecule L1; L1; CD171; NCAM-L1; N-CAM-L1;
Gene ID	16728
mRNA Refseq	NM_008478
Protein Refseq	NP_032504
UniProt ID	P11627

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