Recombinant Human L1 Cell Adhesion Molecule

Cat. No. L1CAM-1669H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	Mammalian Cells
Description	The neural cell adhesion molecule L1 (NCAM-L1) is a type I membrane glycoprotein that is a member of the immunoglobulin superfamily adhesion molecule. It is critically involved in the development of the nervous system promoting neuronal migration, neuronal survival, neurite outgrowth, and myelination, as well as axon guidance, fasciculation, and regeneration.
Molecular Weight	The predicted molecular weight of Recombinant Human NCAM-L1 is 150.4 kDa. However, the actual molecular weight as observed by migration on SDS Page is 210-225 kDa.
State Of Matter	Lyophilized.
Purity	>90% by SDS Page and analyzed by silver stain.
Endotoxin	<1.0 EU/μg as determined by the LAL method.
Storage	This lyophilized protein is stable for six to twelve months when stored desiccated at -20℃ to -70℃. After aseptic reconstitution, this protein may be stored at 2℃ to 8℃ for one month or at -20℃ to -70℃ in a manual defrost freezer. Avoid

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	Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

GENE INFORMATION

Gene Name	L1CAM L1 cell adhesion molecule [Homo sapiens]
Synonyms	L1CAM; L1 cell adhesion molecule; S10; HSAS; MASA; MIC5; SPG1; CAML1; CD171; HSAS1; N-CAML1; OTTHUMP00000025992; OTTHUMP00000063091; neural cell adhesion molecule L1; antigen identified by monoclonal antibody R1; CD171 antigen
Gene ID	3897
mRNA Refseq	NM_000425
Protein Refseq	NP_000416
MIM	308840
UniProt ID	P32004
Chromosome Location	Xq28
Pathway	Axon guidance; Cell adhesion molecules (CAMs)
Function	identical protein binding; integrin binding; sialic acid binding

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