

## Recombinant Human L1 Cell Adhesion Molecule

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

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Description</b>	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.
<b>Molecular Weight</b>	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.
<b>State Of Matter</b>	Lyophilized.
<b>Purity</b>	>90% by SDS Page and analyzed by silver stain.
<b>Endotoxin</b>	<1.0 EU/g as determined by the LAL method.
<b>Storage</b>	This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage

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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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