

## Recombinant Human L1CAM Protein, His-tagged

Cat. No. L1CAM-151H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human L1 cell adhesion molecule(L1CAM) protein, transcript variant 1(NM_000425), with a His tag, was expressed in human cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | Human Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | <p>The protein encoded by this gene is an axonal glycoprotein belonging to the immunoglobulin supergene family. The ectodomain, consisting of several immunoglobulin-like domains and fibronectin-like repeats (type III), is linked via a single transmembrane sequence to a conserved cytoplasmic domain. This cell adhesion molecule plays an important role in nervous system development, including neuronal migration and differentiation. Mutations in the gene cause X-linked neurological syndromes known as CRASH (corpus callosum hypoplasia, retardation, aphasia, spastic paraplegia and hydrocephalus). Alternative splicing of this gene results in multiple transcript variants, some of which include an alternate exon that is considered to be specific to neurons.</p> |
| <b>Form</b>             | Purified protein formulated in a sterile solution of TBS buffer, pH7.307, without any preservatives.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Molecular Mass</b>   | 137.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Endotoxin</b>        | Endotoxin level is < 0.1 ng/g of protein (<1EU /g)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

|                         |                                                                                                                                                                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>           | >90% by SDS-PAGE gel and Coomassie Blue staining                                                                                                                                                                                                                 |
| <b>Applications</b>     | Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies.                                                                                                                                       |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                  |
| <b>Gene Name</b>        | L1CAM L1 cell adhesion molecule [ Homo sapiens ]                                                                                                                                                                                                                 |
| <b>Official Symbol</b>  | L1CAM                                                                                                                                                                                                                                                            |
| <b>Synonyms</b>         | L1CAM; L1 cell adhesion molecule; antigen identified by monoclonal R1 , HSAS, HSAS1, MASA, MIC5, S10, SPG1; neural cell adhesion molecule L1; CD171; antigen identified by monoclonal R1; S10; HSAS; MASA; MIC5; SPG1; CAML1; HSAS1; N-CAML1; NCAM-L1; N-CAM-L1; |
| <b>Gene ID</b>          | 3897                                                                                                                                                                                                                                                             |
| <b>mRNA Refseq</b>      | NM_000425                                                                                                                                                                                                                                                        |
| <b>Protein Refseq</b>   | NP_000416                                                                                                                                                                                                                                                        |
| <b>MIM</b>              | 308840                                                                                                                                                                                                                                                           |
| <b>UniProt ID</b>       | P32004                                                                                                                                                                                                                                                           |

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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