

## Active Recombinant Human L1CAM, Fc Chimera

Cat. No. L1CAM-485H    Lot. No. (See product label)

### SPECIFICATION

|                             |                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant Human L1CAM (Accession # CAA42508) was produced in Mouse myeloma cell line, NS0-derived.                                                                                                                                                                                                                                                                          |
| <b>Species</b>              | Human                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>               | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                               |
| <b>Predicted N Terminal</b> | Ile20 & Arg864                                                                                                                                                                                                                                                                                                                                                                |
| <b>Form</b>                 | Lyophilized from a 0.2 µ filtered solution in Tris-Citrate and NaCl.                                                                                                                                                                                                                                                                                                          |
| <b>Bio-activity</b>         | Measured by the ability of the immobilized protein to support the adhesion of Neuro-2A mouse neuroblastoma cells. When $5 \times 10^4$ cells/well are added to Recombinant Human L1CAM Fc Chimera coated plates (25 µg/mL with 100 µL/well), >30% will adhere for 1 hour incubation at 37 °C. Optimal dilutions should be determined by each laboratory for each application. |
| <b>Molecular Mass</b>       | Recombinant Human L1CAM, Fc Chimera has a calculated MW of 150.4 kDa (monomer) & 55.9 kDa (truncated). In SDS-PAGE migrates as 210-225 kDa, reducing conditions.                                                                                                                                                                                                              |
| <b>Purity</b>               | >90%, by SDS-PAGE under reducing conditions and visualized by silver stain.                                                                                                                                                                                                                                                                                                   |
| <b>Storage</b>              | Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3                                                                                                                                                                                                 |

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months (-70°C).

## GENE INFORMATION

|                            |                                                                                                                                                                                                                                                                  |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | <a href="#">L1CAM L1 cell adhesion molecule [ Homo sapiens ]</a>                                                                                                                                                                                                 |
| <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>             | <a href="#">3897</a>                                                                                                                                                                                                                                             |
| <b>mRNA Refseq</b>         | <a href="#">NM_000425</a>                                                                                                                                                                                                                                        |
| <b>Protein Refseq</b>      | <a href="#">NP_000416</a>                                                                                                                                                                                                                                        |
| <b>MIM</b>                 | <a href="#">308840</a>                                                                                                                                                                                                                                           |
| <b>UniProt ID</b>          | P32004                                                                                                                                                                                                                                                           |
| <b>Chromosome Location</b> | Xq28                                                                                                                                                                                                                                                             |

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