

Recombinant Human L1CAM Protein, C-His-tagged

Cat. No. L1CAM-090H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human L1CAM Protein with C-His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	Neural cell adhesion molecule L1 (NCAM-L1/L1CAM) is a single pass transmembrane glycoprotein member of the immunoglobulin superfamily, containing six amino-terminal extracellular Ig-like domains followed by five fibronectin type-III domains. NCAM-L1 is mainly expressed in the brain, and plays an important role in the developing nervous system, with involvement in neurite fasciculation and outgrowth, myelination, neuronal migration, and neuronal cell adhesion. Mutations in the NCAM-L1 gene cause varying degrees of neurological disease including X-linked hydrocephalus, MASA syndrome, spastic paraplegia type 1, and X-linked corpus callosum agenesis, together known as L1 syndrome. Apart from the nervous system, NCAM-L1 is overexpressed in many cancers and supports a poor prognosis by facilitating aggressive tumor growth, metastasis and chemoresistance.
Molecular Mass	~36 kDa
AA Sequence	QGKGPEPQVTIGYSGEDYPQAIPELEGIEILNSSAVLVKWRPVDLAQVKGHLRGYNV TYWREGSQRKHSKRHHKDHVVVPANTTSVILSGLRPYSSYHLEVQAFNGRGSGPA SEFTFSTPEGVPGHPEALHLECQSNTSLLLRLWQPPLSHNGVLTGYVLSYHPLDEGG KGQLSFNLRDPELRTHNLTDLSPLRYYRFQLQATTKEGPGEAIVREGGTMALSGISD

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	FGNISATAGENYSVVSWWVPKEGQCNFRFHILFKALGEEKGGASLSPQYVSYNQSSY TQWDLQPDTDYEIHLFKERMFRHQMMAVKTNGTGRVRLPPAGFATE
Purity	Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).
Notes	For research use only, not for use in diagnostic procedure.
Storage	Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.
Concentration	≥0.5 mg/mL
Storage Buffer	PBS, 4M Urea, pH7.4

GENE INFORMATION

Gene Name	L1CAM L1 cell adhesion molecule [Homo sapiens (human)]
Official Symbol	L1CAM
Synonyms	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;
Gene ID	3897
mRNA Refseq	NM_000425
Protein Refseq	NP_000416

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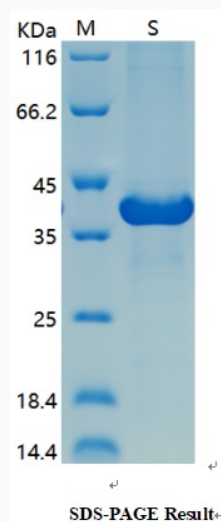
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MIM 308840

UniProt ID P32004

SDS-PAGE



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