
Product Data Sheet

Product Name: L1CAM Human
Cat. No.: GP23788
Batch No.: 1

Product Data

| | | | |
|---------------------|-------|--------------------|-------------------------|
| Purity | >98% | Source | Sf9, Baculovirus cells. |
| Physical Appearance | solid | Shipping Condition | Shipped with Ice Packs. |

Synonyms L1 Cell Adhesion Molecule; Antigen Identified By Monoclonal Antibody R1; N-CAM-L1; NCAM-L1; CAML1; MIC5; Neural Cell Adhesion Molecule L1; CD171 Antigen; N-CAML1; CD171; HSAS1; MASA; HSAS; SPG1; S10.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Amino Acid
Sequence

IQIPEELMEP PVITEQSPRR LVVFPTDDIS LKCEASGKPE VQFRWTRDGV
 HFKPKEELGV TVYQSPHSGS FTITGNNSNF AQRFAQIYRC FASNKLGATM
 SHEIRLMAEG APKWPKETVK PVEVEEGESV VLPCNPPPSA EPLRIYWMNS
 KILHIKQDER VTMGQNGNLY FANVLTSNDH SDYICAHAFP GTRTIIQKEP
 IDLRVKATNS MIDRKPRLLF PTNSSSHLVA LQGQPLVLEC IAEGFPTPTI
 KWLRPSPGMP ADRVTYQNHK KTLQLLKVG EDDGEYRCLA ENSLGSARHA
 YYVTVEAAPY WLHKPQSHLY GPGETARLDC QVQGRPQPEV TWRINGIPVE
 ELAKDQKYRI QRGALILSNV QPSDTMVTQC EARNRHGLLL ANAYIYVVQL
 PAKILTADNQ TYMAVQGSTA YLLCKAFGAP VPSVQWLDED GTTVLQDERF
 FPYANGTLGI RDLQANDTGR YFCLAANDQN NVTIMANLKV KDATQITQGP
 RSTIEKKGSR VTFTCQASFD PSLQPSITWR GDGRDLQELG DSDKYFIEDG
 RLVIHSLDYS DQGNYSVAS TELDVVESRA QLLVVGSPGP VPRVLVSLDLH
 LLTQSQVRVS WSPAEDHNAP IEKYDIEFED KEMAPEKWYS LGKVPGNQTS
 TTLKLSPIYVH YTFRVTAINK YGPGESPVS ETVVTPEAAP EKNPVDVKGE
 GNETTNMVIT WKPLRWMDWN APQVQYRVQW RPQGTRGPWQ EQIVSDPFLV
 VSNTSTFVPY EIKVQAVNSQ GKGPEPQVTI GYSGEDYPQA IPELEGIEIL
 NSSAVLVKWR PVDLAQVKGH LRGYNVTYWR EGSQRKHSKR HIHKDHVVVP
 ANTTSVILSG LRPYSSYHLE VQAFNGRGS G PASEFTFSTP EGVPGHPEAL
 HLECQSNTSL LLRWQPPLSH NGVLTGYVLS YHPLDEGGKG QLSFNLRDPE
 LRTHNLTDLS PHLRYRFQLQ ATTKEGPGEA IVREGGTMAL SGISDFGNIS
 ATAGENYSVV SWVPKEGQCN FRFHILFKAL GEEKGGASLS PQYVSYNQSS
 YTQWDLQPDT DYEIHLFKER MFRHQMAVKT NGTGRVRLPP AGFATELEHH
 HHHH.

Formulation

L1CAM protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

Introduction

L1 Cell Adhesion Molecule (L1CAM) which is a cell adhesion receptor of the immunoglobulin superfamily takes part in nerve cell function. L1CAM is a neural cell adhesion molecule involved in the dynamics of cell adhesion and in the generation of transmembrane signals at tyrosine kinase receptors. L1CAM takes part in cell migration, neurite outgrowth and myelination. Furthermore, L1CAM plays an important role in the dynamics of neuronal structure and function in the mature brain.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

L1CAM Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 1104 amino acids (20-1115a.a.) and having a molecular mass of 123.6kDa (Molecular size on SDS-PAGE will appear at approximately 100-150kDa). L1CAM is expressed with a 8 amino acids His tag at C-Terminus and purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA