

Product Information

MemDX™ Membrane Protein Human L1CAM (L1 cell adhesion molecule) Full Length

Cat. No.: **MPC1924K**

This product is for research use only and is not intended for diagnostic use.

This product is a 140 kDa Human L1CAM membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

L1CAM

Protein Length

Full length

Protein Class

Cell adhesion

Molecular Weight

140 kDa

TMD

1

Sequence

MVVALRYVWPLLLCSPCLLIQIPEEYEGHHVMEPPVITEQSPRRLVVFPT
DDISLKCEASGKPEVQFRWTRDGVHFKPKEELGVTVYQSPHSGSFTITGN
NSNFAQRFFQGIYRCFASNKLGTAMSHEIRLMAEGAPKWPKETVKPVEVEE
GESVVLPCNPPPSAEPLRIYWMNSKILHIKQDERVTMGQNGNLYFANVLT
SDNHSDYICAHFPGTRTIIQKEPIDLRVKATNSMIDRKPRLLFPTNSSS
HLVALQGQPLVLEICIAEGFPTPTIKWLRPSGPMPADRVTYQNHNKTLQLL
KVGEEDDGEYRCLAENSLGSARHAYVTVEAAPYWLHKPQSHLYGPGETA
RLDCQVQGRPQPEVTWRINGIPVEELAKDQKYRIQRGALILSNVQPSDTM
VTQCEARNRHLGLLANAYIYVQLPAKILTADNQTYMAVQGSTAYLLCKA
FGAPVPSVQWLDEDGTTVLQDERFFPYANGTLGIRDLQANDTGRYFCLAA
NDQNNVTIMANLKVKDATQITQGPRSTIEKKGSRVFTFCQASFDPSLQPS
ITWRGDGRDLQELGSDKYFIEDGRLVIHSLDYSDQGNYSVASTELDVV
ESRAQLLVGSPGPVPRVLSDLHLLTQSQVRVSWSPAEDHNAPIEKYDI
EFEDKEMAPEKWYSLGKVPGNQTSTTLKLSPIYHYTFRVTAINKYGPGE
SPVSETVVTPEAAPEKNPVDVKGEGETTNMVTWKPLRWMDWNAPQVQY
RVQWRPQGTGRPWQEQIVSDPFLVVSNTSTFVPYEIKVQAVNSQKGKPEP
QVTIGYSGEDYPQAIPELEGIEILNSSAVLVKWRPVDLAQVKGHLRGYNV
TYWREGSQRKHSHKRHIHKDHVVVPANTTSVILSGLRPYSSYHLEVQAFNG
RGSGPASEFTFSTPEGVPGHPEALHLECQSNTSLLLRWQPPLSHNGVLTG
YVLSYHPLDEGGKGQLSFNLRDPELRTHNLTDLSPHLRYPFQLQATTKEG
PGEAIVREGGTMALSGISDFGNISATAGENYSVSVSWVPKEGQCENFRFHIL

FKALGEEKGGASLSPQYVSYNQSSYTQWDLQPDTDYEIHLFKERMFRHQM
AVKTNGTGRVRLPPAGFATEGWFIGFVSAIILLVLLILCFIKRSKGGK
YSVKDKEDTQVDSEARPMKDETFGEYRSLESDNEEKAFGSSQPSLNGDIK
PLGSDDSLADYGGSDVDVQFNEDGSFIGQYSGKKEKEAAGGNDSSGATSPI
NPAVALE

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

L1CAM

Full Name

L1 cell adhesion molecule

Introduction

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.

Alternative Names

L1CAM; S10; HSAS; MASA; MIC5; SPG1; CAML1; CD171; HSAS1; N-CAML1; NCAM-L1; N-CAM-L1; neural cell adhesion molecule L1; antigen identified by monoclonal antibody R1; L1 cell adhesion molecule

Gene ID

[3897](#)

UniProt ID

[P32004](#)