

## Product datasheet for TP311601L

### L1CAM (NM\_000425) Human Recombinant Protein

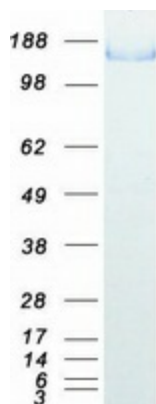
#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human L1 cell adhesion molecule (L1CAM), transcript variant 1, 1 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC211601 representing NM_000425 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MVVALRYVWPLLLCSPCLLIQIPEEYEGHHVMEPPVITEQSPRRLVWFPTDDISLKCEASGKPEVQFRWT RDGVHFKPKEELGVTVYQSPHSGSFTITGNNSNFAQRFGIYRCFASNKLTAMSHEIRLMAEGAPKWPK ETVKPVEVEEGESVVLPCNPPPSAEPLRIYWMNSKILHIKQDERVTMGQNGNLYFANVLTSDNHSDYICH AHFPGTRTIIQKEPIDLRVKATNSMIDRKPRLLFPTNSSSHLVALQGQPLVLEICIAEGFPTPTIKWLRPS GMPADRVTYQNHKTLQLLKVGEEDDGEYRCLAENSLGSARHAYVTVVEAAPYWLHKPQSHLYGPGETA RLDCQVQGRPQPEVTWRINGIPVEELAKDQKYRIQRGALILSNVQPSDTMVTQCEARNRHGLLLANAYIY VVQLPAKILTADNQTYMAVQGSTAYLLCKAFGAPVPSVQWLDEDGTTVLQDERFFPYANGTLGIRDQLAN DTGRYFCLAANDQNNVTIMANLKVKDQITQGPRSTIEKKGSRVFTFCQASFDPSLQPSITWRGDGRDL QELGSDSKYFIEDGRLVIHSLDYSQGNYSVASTELDVVESRAQLLVGSPGPVRLVLSLHLLTQSQ VRVSWSPAEDHNAPIEKYDIEFEDKEMAPEKWYSLGKVPGNQSTTLKLSPVVHYTFRVTAINKYGPGE SPVSETVVTPEAAPEKNPVDVKGEGNETTNMVTWKPLRWMDWNAPQVQYRVQWRPQGRGPWQEIVSD PFLVVSNTSTFVPEIKVQAVNSQKGPPEPQVTIGYSGEDYPQAIPELEGIEILNSSAVLVKWRPVDLAQ VKGHLRGYNVTYWREGSQRKHSKRHIHKDHVVPANTTSVILSGLRPYSSYHLEVQAFNGRGGSPASEFT FSTPEGVPGHPEALHLECQSNTSLLLRLWQPPLSHNGVLTGYVLSYHPLDEGGKQLSFNLRDPELRTHNL TDLSPHLRYRFQLQATTKGPGEAIVREGGTMALSGISDFGNISATAGENYSVSVWVPEKGCNFRFHIL FKALGEEKGGASLSPQYVSYNQSSYTQWDLQPDTDYEIHLFKERMFRHQMAVKTNGTGRVRLPPAGFATE GWFIFVSAIILLLLVLILCFIKRSKGGKYSVKDKEDTQVDSEARPMKDETFGEYRSLESDNEEKAFGS SQPSLNGDIKPLGSDDSLADYGGSDVDVQFNEEDGSFIGQYSGKKEKEAAGGNDSSGATSPINPAVALE</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	137.8 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining



[View online »](#)

<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_000416</a>
<b>Locus ID:</b>	3897
<b>UniProt ID:</b>	<a href="#">P32004</a>
<b>RefSeq Size:</b>	4525
<b>Cytogenetics:</b>	Xq28
<b>RefSeq ORF:</b>	3771
<b>Synonyms:</b>	CAML1; CD171; HSAS; HSAS1; MASA; MIC5; N-CAM-L1; N-CAML1; NCAM-L1; S10; SPG1
<b>Summary:</b>	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. [provided by RefSeq, May 2013]
<b>Protein Families:</b>	Druggable Genome, ES Cell Differentiation/IPS, Transmembrane
<b>Protein Pathways:</b>	Axon guidance, Cell adhesion molecules (CAMs)

**Product images:**

Coomassie blue staining of purified L1CAM protein (Cat# [TP311601]). The protein was produced from HEK293T cells transfected with L1CAM cDNA clone (Cat# [RC211601]) using MegaTran 2.0 (Cat# [TT210002]).