

## Product datasheet for **TP311601**

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

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human L1 cell adhesion molecule (L1CAM), transcript variant 1, 20 µg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC211601 representing NM\_000425  
Red=Cloning site Green=Tags(s)

MVVALRYVWPLLLCSPCLLIQIPEEYEGHHVMEPPVITEQSPRRLVWFPTDDISLKCEASGKPEVQFRWT  
RDGVHFKPKEELGVTVYQSPHSGSFTITGNNSNFAQRFGIYRCFASNKLTAMSHAIRLMAEGAPKWPK  
ETVKPVEVEEGESVVLPCNPPPSAEPLRIYWMNSKILHIKQDERVTMGQNGNLYFANVLTSDNHSDYICH  
AHFPGTRTIIQKEPIDLRVKATNSMIDRKPRLLFPTNSSSHLVALQGQPLVLEICIAEGFPTPTIKWLRPS  
GMPADRVTYQNHKTLQLLKVGEEDDGEYRCLAENSLGSARHAYVTVVEAAPYWLHKPQSHLYGPGETA  
RLDCQVQGRPQPEVTWRINGIPVEELAKDQKYRIQRGALILSNVQPSDTMVTQCEARNRHGLLLANAYIY  
VVQLPAKILTADNQTYMAVQGSTAYLLCKAFGAPVPSVQWLDEDEDGTTVLQDERFFPYANGTLGIRDQLAN  
DTGRYFCLAANDQNNVTIMANLKVKDQITQGPRSTIEKKGSRVFTFCQASFDPSLQPSITWRGDGRDL  
QELGSDSKYFIEDGRLVIHSLDYSYDQGNYSVASTELDVVESRAQLLVGSPGPVRLVLSDLHLLTQSQ  
VRVSWSPAEDHNAPIEKYDIEFEDKEMAPEKWYSLGKVPGNQSTTLKLSPVVHYTFRVTAINKYGPGE  
SPVSETVVTPEAAPEKNPVDVKGEGNETTNMVTWKPLRWMDWNAPQVQYRVQWRPQGTRGPWQEIVSD  
PFLVVSNTSTFVPEIKVQAVNSQKGPPEPQVTIGYSGEDYPQAIPELEGIEILNSSAVLVKWRPVDLAQ  
VKGHLRGYNVTYWREGSQRKHSKRHIHKDHVVVPANTTSVILSGLRPYSSYHLEVQAFNGRGGSPASEFT  
FSTPEGVPGHPEALHLECQSNTSLLLRLWQPPLSHNGVLTGYVLSYHPLDEGGKQLSFNLRDPELRTHNL  
TDLSPHLRYRFQLQATTKGPGGEAIVREGGTMALSGISDFGNISATAGENYSVSVWVPKEGQCNRFHIL  
FKALGEEKGGASLSPQYVSYNQSSYTQWDLQPDTDYEIHLFKERMFRHQMAVKTNGTGRVRLPPAGFATE  
GWFIFVSAIILLLLVLILCFIKRSKGGKYSVKDKEDTQVDSEARPMKDETFGEYRSLESDNEEKAFGS  
SQPSLNGDIKPLGSDDSLADYGGSDVDVQFNEEDGSFIGQYSGKKEKEAAGGNDSSGATSPINPAVALE

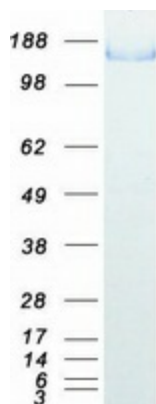
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Tag:** C-Myc/DDK  
**Predicted MW:** 137.8 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining



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<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]).