

## Product datasheet for PH311601

### L1CAM (NM\_000425) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	L1CAM MS Standard C13 and N15-labeled recombinant protein (NP_000416)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC211601
Predicted MW:	140 kDa
Protein Sequence:	>RC211601 representing NM_000425 Red=Cloning site Green=Tags(s)

MVVALRYVWPLLLCSPCLLIQIPEEYEGHHVMEPPVITEQSPRRLVVFPTDDISLKCEASGKPEVQFRWT  
RDGVHFKPKEELGVTVYQSPHSGSFTITGNNSNFAQRFQGIYRCFASNKLGTA MSHEIRLMAEGAPKWP  
ETVKPVEVEEGESVVLPCNPPPSAEPLRIYWMNSKILHIKQDERVTMGQNGNLYFANVLTSDNHSYICH  
AHFPGTRTIIQKEPIDLRVKATNSMIDRKPRLLFPTNSSHLVALQGQPLVLECIAEGFPTPTIKWLRS  
GMPADRVTYQNHKTLQLLKVGEEDDGEYRCLAENSLGSARHAYVTVVEAAPYWLHKPQSHLYGPGETA  
RLDCQVQGRPQPEVTWRINGIPVEELAKDQKYRIQRGALILSNVQPSDTMVTQCEARNRHGLLANAYIY  
VVQLPAKILTADNQTYMAVQGSTAYLLCKAFGAPVPSVQWLDDEGTTVLQDERFFPYANGTLGIRDLAN  
DTGRYFCLAANDQNNVTIMANLKVKDATQITQGPRSTIEKKGSRVFTFCQASFDPSLQPSITWRGDGRDL  
QELGDSDKYFIEDGRLVIHSLDYSQDQNYSCVASTELDVVESRAQLLVGSPGPVPRLLVLDLHLLTQSQ  
VRVSWSPAEDHNAPIEKYDIEFEDKEMAPEKWYSLGKVPNGTSTTLKLSYVHYTFRVTAINKYGPGE  
SPVSETVVTPEAAPEKNPVDVKGEGETNMVITWKPLRWDWNPQVQYRVQWRPQGRGPQEQIVSD  
PFLVVSNTSTFVPEIKVQAVNSQGGKPEPQVTIGYSGEDYPQAIPELEGIEILNSSAVLVKWRPVDLAQ  
VKGHLRGYNVYWRGSRQKHSKRHIHKDHVVVPANTTSVILSGLRPYSSYHLEVQAFNGRSGPASEFT  
FSTPEGVPGHPEALHLECSNLSLLLRWQPPLSHNGVL TGYVL SYHPLDEGGKQLSFNLRDPELRTHNL  
TDLSPHLRYRFQLQATTKEGPGEAIVREGGTMALSGISDFGNISATAGENYSVSVWVPKQGQCNFRFHIL  
FKALGEEKGGASLSPQYVSYNQSSYQWDLQPD TDYEIHLFKERMFHQMAVKNTGTGRVRLPPAGFA  
GWFIGFVSAIILLLLVLILCFIKRSGGKYSVKDKEDTQVDSEARPMKDETFGEYRSLESDNEEKAFGS  
SQPSLNGDIKPLGSDSLADYGGSDVDVQFNEDGSF IGQYSGKKEEAAGNDSSGATSPINPAVALE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

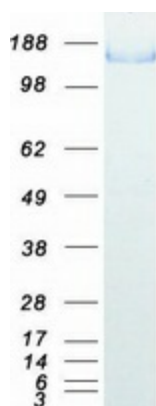
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine



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<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3
<b>Storage:</b>	Store at -80°C. Avoid repeated freeze-thaw cycles.
<b>Stability:</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>RefSeq:</b>	<a href="#">NP_000416</a>
<b>RefSeq Size:</b>	4525
<b>RefSeq ORF:</b>	3771
<b>Synonyms:</b>	CAML1; CD171; HSAS; HSAS1; MASA; MIC5; N-CAM-L1; N-CAML1; NCAM-L1; S10; SPG1
<b>Locus ID:</b>	3897
<b>UniProt ID:</b>	<a href="#">P32004</a>
<b>Cytogenetics:</b>	Xq28
<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]).