

Datasheet for ABIN7596204

L1CAM Protein (AA 20-1115) (His tag)



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Overview

Quantity:	250 µg
Target:	L1CAM
Protein Characteristics:	AA 20-1115
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This L1CAM protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Activity Assay (AcA)

Product Details

Sequence:	IQIPEELMEP PVITEQSPRR LVVFPTDDIS LKCEASGKPE VQFRWTRDGV HFKPKEELGV TVYQSPHSGS FTITGNNSNF AQRFGGIYRC FASNKLGTAM SHEIRLMAEG APKWPKETVK PVEVEEGESV VLPCNPPPSA EPLRIYWMNS KILHIKQDER VTMGQNGNLY FANVLTSDNH SDYICAHFHP GTRTIIQKEP IDLRVKATNS MIDRKPRLLF PTNSSSHLVA LQGQPLVLEC IAEGFPTPTI KWL RPSGPMP ADRVTYQNHN KTLQLLKVGE EDDGEYRCLA ENSLG SARHA 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 RLVHSLDYS DQGNYS CVAS TELDVVESRA QLLVVGSPGP VPRLVLSDLH LLTQSQVRVS WSPAEDHNAP IEKYDIEFED KEMAPEKWYS LGKVPGNQTS TTLKLSPYVH
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Product Details

YTRVRTAINK YGPGEPSVPS ETVVTPEAAP EKNPVDVKGE GNETTNMVIT WKPLRWMDWN
APQVQYRVQW RPQGTRGPWQ EQIVSDPFLV VSNTSTFVPY EIKVQAVNSQ GKGPEPQVTI
GYSGEDYPQA IPELEGIEIL NSSAVLVKWR PVDLAQVKGH LRGYNVTYWR EGSQRKHSKR
HIIKDHVWVP ANTTSVILSG LRPYSSYHLE VQAFNGRGSG PASEFTFSTP EGVPGHPEAL
HLECQSNTSL LLRWQPPLSH NGVLTGYVLS YHPLDEGGKG QLSFNLRDPE LRTHNLTDLS
PHLRYRFQLQ ATTKEGPGEA IVREGGTMAL SGISDFGNIS ATAGENYSVV SWVPKEGQCEN
FRFHILFKAL GEEKGGASLS PQYVSYNQSS YTQWDLQPDY DYEIHLFKER MFRHQMAVKT
NGTGRVRLPP AGFATE

Purity:	> 90% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1ug of protein (determined by LAL method)
Biological Activity Comment:	Measured by the ability of the immobilized protein to support the adhesion of Neuro-2a mouse neuroblastoma cells. When cells are added to human L1CAM coated plates 1 ug/ml. This effect is more to 30%.

Target Details

Target:	L1CAM
Alternative Name:	L1CAM (L1CAM Products)
Background:	L1CAM, also known as neural cell adhesion molecule L1 isoform 3, is a cell adhesion receptor of the immunoglobulin superfamily, known for its roles in nerve cell function. It is now recognized to play a key role in cell migration, adhesion, neurite outgrowth, myelination and neuronal differentiation Overexpression of L1CAM in normal and cancer cells increased motility, enhanced growth rate and promoted cell transformation and tumorigenicity. Recombinant human L1CAM, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	123.6 kDa (1104aa)
NCBI Accession:	NP_001137435
Pathways:	Synaptic Membrane

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.