L1CAM Protein, Human (HEK293, His)

Cat. No.:	HY-P74791
Synonyms:	Neural cell adhesion molecule L1; NCAM-L1; CD171; L1CAM; CAML1; MIC5
Species:	Human
Source:	HEK293
Accession:	P32004 (I20-E1120)
Gene ID:	3897
Molecular Weight:	160-200 kDa

PROPERTIES

Appearance	Solution
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice

DESCRIPTION

Background	L1CAM, a neural cell adhesion molecule, intricately participates in the modulation of cell adhesion dynamics and the initiation of transmembrane signals at tyrosine kinase receptors. Its significance spans various stages of brain development, where it proves critical in processes such as neuronal migration, axonal growth, fasciculation, and synaptogenesis. In the mature brain, L1CAM continues to play a pivotal role in regulating the dynamics of neuronal structure and function, notably contributing to synaptic plasticity. This multifaceted protein interacts with SHTN1, with the interaction prominently occurring in axonal growth cones, and engages with isoform 2 of BSG, underscoring its involvement in diverse cellular functions.

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