

Product datasheet for **TP307947M**

CD299 (CLEC4M) (NM_014257) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human C-type lectin domain family 4, member M (CLEC4M), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207947 protein sequence Red =Cloning site Green =Tags(s)
	<p>MSDSKEPRVQQGLGLEEDPTTSGIRLFPRDFQFQIQIHGHKSSTGCLGHGALVLQLLSFMMLLAGVLVAILV QVSKVPSSLSQESEQDAIQNLTLKAAVGESEKSKLQEIYQELTQLKAAVGEPEKSKLQEIYQELT RLKAAVGEPEKSKLQEIYQELTRLKAAVGEPEKSKLQEIYQELTRLKAAVGEPEKSKLQEIYQELTE LKAAVGEPEKSKLQEIYQELTQLKAAVGEPLDQSKQQIYQELTDLKTAFERLCRHCPCDWTFFQGNCY FMSNSQRNWHDSVTACQEVRAQLVVIKTAEEQNFLQLQTSRSNRFSSWGLSDLNQEGTWQWVDGSPLSPS FQRYWNSGEPNNSGNEDCAEFGSGWWDNRCDVDNYWICKKPAACFRDE</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	45.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_055072</u>



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Locus ID:	10332
UniProt ID:	Q9H2X3
RefSeq Size:	1976
Cytogenetics:	19p13.2
RefSeq ORF:	1197
Synonyms:	CD209L; CD299; DC-SIGN2; DC-SIGNR; DCSIGNR; HP10347; L-SIGN; LSIGN

Summary: This gene encodes a C-type lectin that functions in cell adhesion and pathogen recognition. This receptor recognizes a wide range of evolutionarily divergent pathogens with a large impact on public health, including tuberculosis mycobacteria, and viruses including Ebola, hepatitis C, HIV-1, influenza A, West Nile virus and the SARS-CoV acute respiratory syndrome coronavirus. The protein is organized into four distinct domains: a C-terminal carbohydrate recognition domain, a flexible tandem-repeat neck domain of variable length, a transmembrane region and an N-terminal cytoplasmic domain involved in internalization. This gene is closely related in terms of both sequence and function to a neighboring gene, CD209 (Gene ID: 30835), also known as DC-SIGN. The two genes differ in viral recognition and expression patterns, with this gene showing high expression in endothelial cells of the liver, lymph node and placenta. Polymorphisms in the tandem repeat neck domain are associated with resistance to SARS infection. [provided by RefSeq, May 2020]

Protein Families: Druggable Genome, Transmembrane

Product images:



Coomassie blue staining of purified CLEC4M protein (Cat# [TP307947]). The protein was produced from HEK293T cells transfected with CLEC4M cDNA clone (Cat# [RC207947]) using MegaTran 2.0 (Cat# [TT210002]).