

**Product Name: Recombinant Human CD299 (N-8His-Flag)**  
**Catalog #: PHH2257**



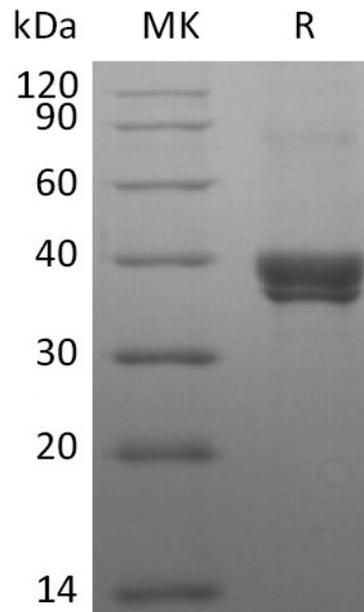
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## Summary

<b>Name</b>	CD299/DC-SIGNR/L-SIGN
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</b>	Recombinant Human C-type Lectin Domain Family 4 Member M is produced by our Mammalian expression system and the target gene encoding Ser73-Glu376 is expressed with a 8His, Flag tag at the N-terminus.
<b>Accession #</b>	Q9H2X3-8
<b>Host</b>	Human Cells
<b>Species</b>	Human
<b>Predicted Molecular Mass</b>	37 KDa
<b>Formulation</b>	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
<b>Reconstitution</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## SDS-PAGE image

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### Alternative Names

CD209L; CD209L1; CD299; CLEC4M; C-type lectin domain family 4, member M; DC-SIGN2; DCSIGNR; DC-SIGNR; HP10347; LSIGN; L-SIGN

### Background

CD299 is also known as DC-SIGNR and CLEC4M, is a type II integral membrane protein. DC-SIGNR exists as a homotetramer, and the tandem repeat domain, also called neck domain, mediates oligomerization. Multiple human DC-SIGN/CD209 splice forms exist, generating both membrane-bound and soluble forms. DC-SIGNR is regarded as a pathogen-recognition receptor involved in peripheral immune surveillance in liver, and probably mediate the endocytosis of pathogens which are subsequently degraded in lysosomal compartments. DC-SIGNR appears to selectively recognize and bind many viral surface glycoproteins containing high mannose N-linked oligosaccharides in a calcium-dependent manner, including HIV-1 gp12, HIV-2 gp12, SIV gp12, ebolavirus glycoproteins, HCV E2, and human SARS coronavirus protein S, as well as the cellular adhesion protein ICAM3. DC-SIGN/CD209 is expressed on dendritic cells (DC) and inflammatory macrophages and contributes to antigen presentation.

### Note

For Research Use Only , Not for Diagnostic Use.