

## Product datasheet for **TP724779**

### CD299 (CLEC4M) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant DC-SIGNR/CD299 (C-His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Ser78-Glu399
Tag:	C-His
Buffer:	Lyophilized from a 0.2 Å¼m filtered solution of PBS, pH 7.4.
Note:	Recombinant DC-SIGNR/CD299 (C-His) is produced by Human Cells. The target gene encoding Ser78-Glu399 is expressed with a C-His tag.
Stability:	12 months from date of despatch
Locus ID:	10332
UniProt ID:	<a href="#">Q9H2X3</a>
Summary:	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.



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