

Recombinant Rat Clec1a, Fc-tagged

Cat. No. Clec1a-7462R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the rat CLEC1A(Gln73-Gln269) was expressed in Human Cells, with Fc region of Human IgG1 at the N-terminus.
Species	Rat
Source	Human Cells
ProteinLength	73-269 a.a.
Description	CLEC1A, also known as CLEC-1, belongs to the C-type lectin/C-type lectin-like domain (CTL/CTLD) superfamily. It contains 1 C-type lectin domain and is expressed preferentially in dendritic cells. It is found that CLEC1A not only expressed in dendritic cells, but also in endothelial cells and in the latter aspect resembles the LOX-1 gene. CTL/CTLD superfamily is composed by proteins that share a common protein fold and have diverse functions, such as cell adhesion, cell-cell signalling, glycoprotein turnover, and roles in inflammation and immune response. CLEC1A may play a role in regulating dendritic cell function. CLEC1A gene is closely linked to other CTL/CTLD superfamily members on chromosome 12p13 in the natural killer gene complex region. Alternative splice variants have been described but their biological nature has not been determined.
Predicted N Terminal	Glu
Form	Lyophilized from a 0.2µM filtered solution of PBS, pH7.4. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization.

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Molecular Mass	The recombinant rat CLEC1A comprises 457 amino acids and predicts a molecular mass of 51.6 kDa. The apparent molecular mass of the recombinant protein is approximately 65 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	1.0 eu/μg of the protein as determined by the lal
Purity	>69 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70°C
Storage	Store it under sterile conditions at -70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name	Clec1a C-type lectin domain family 1, member A [<i>Rattus norvegicus</i>]
Official Symbol	Clec1a
Synonyms	CLEC1A; C-type lectin domain family 1, member A; C-type lectin domain family 1 member A; RGD1566110;
Gene ID	500337
mRNA Refseq	NM_001109253
Protein Refseq	NP_001102723
Function	binding; sugar binding;

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