

CLEC-1/CLEC1A Protein, Rat (HEK293, Fc)

Cat. No.:	HY-P75337
Synonyms:	CLEC1A; C-type lectin domain family 1 member A; CLEC1
Species:	Rat
Source:	HEK293
Accession:	D3ZGU3 (Q73-Q269)
Gene ID:	500337
Molecular Weight:	Approximately 51.6 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The C-type lectin-like domain-containing protein 1 (CLEC1A) is a member of the C-type lectin/C-type lectin-like domain (CTL/CTLD) superfamily, known for its diverse functions, including cell adhesion, cell-cell signaling, glycoprotein turnover, and roles in inflammation and immune response. This protein is implicated in the potential regulation of dendritic cell function. Situated on chromosome 12p13 in the natural killer gene complex region, CLEC1A is closely linked to other members of the CTL/CTLD superfamily. Alternative splicing gives rise to multiple transcript variants, contributing to the functional diversity of this gene. With biased expression observed in placenta (RPKM 18.1), lung (RPKM 3.8), and 10 other tissues, CLEC1A underscores its potential role in various physiological contexts.
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Caution: Product has not been fully validated for medical applications. For research use only.

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