

Recombinant Human CLEC1A/CLEC-1 Protein (Fc Tag)

Catalog No. PKSH030889

Note: Centrifuge before opening to ensure complete recovery of vial contents.

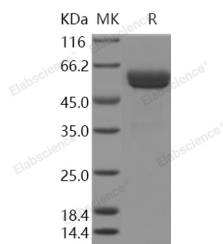
Description

Synonyms	CLEC-1;CLEC1
Species	Human
Expression Host	HEK293 Cells
Sequence	Gln22-Asp280
Accession	NP_057595.2
Calculated Molecular Weight	51.9 kDa
Tag	N-hFc
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

CLEC1A, also known as CLEC-1, is a member of the C-type lectin/C-type lectin-like domain (CTL/CTLD) superfamily. Members of this family 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 contains 1 C-type lectin domain and is

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expressed preferentially in dendritic cells. It 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. CLEC1A is found to be not only expressed in dendritic cells, but also in endothelial cells and in the latter aspect resembles the LOX-1 gene.