



Recombinant Protein Technical Manual  
Recombinant Human CLEC1A/CLEC Protein (Fc Tag)  
RPES3413

### Product Data:

**Product SKU:** RPES3413

**Size:** 50µg

**Species:** Human

**Expression host:** HEK293 Cells

**Uniprot:** NP\_057595.2

### Protein Information:

**Molecular Mass:** 51.9 kDa

**AP Molecular Mass:**

**Tag:** N-Fc

**Bio-activity:**

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** 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

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** CLEC;CLEC1

## Immunogen Information:

**Sequence:** Gln22-Asp280

## Background:

CLEC1A, also known as CLEC, 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 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 gene.