



# Recombinant Protein Technical Manual

## Recombinant Human LMIR2/CD300C Protein (His Tag)

RPE5058

### Product Data:

**Product SKU:** RPE5058

**Size:** 50µg

**Species:** Human

**Expression host:** HEK293 Cells

**Uniprot:** NP\_006669.1

### Protein Information:

**Molecular Mass:** 18.4 kDa

**AP Molecular Mass:** 40-45 kDa

**Tag:** C-His

**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:** CMRF35-Like Molecule 6; CLM-6; CD300 Antigen-Like Family Member C; CMRF35-A1; CMRF-35; Immunoglobulin Superfamily Member 16; IgSF16; CD300c; CD300C; CMRF35; CMRF35A; CMRF35A1; IGSF16

## Immunogen Information:

**Sequence:** Met 1-Arg 183

## Background:

The cluster of differentiation (CD) system is commonly used as cell markers in immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules which associate with the immune function of the cell. There are more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alters the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. CD300 is a glycoprotein family of cell surface molecules that regulate a diverse array of cell processes via their triggering and inhibitory receptor functions. The CD300 family of myeloid immunoglobulin receptors includes activating (CD300b, CD300e) and inhibitory members (CD300a, CD300f), as well as CD300c and CD300d, whose function is uncertain.