



# Recombinant Protein Technical Manual

## Recombinant Human ULBP2/N2DL-2 Protein (His Tag)

RPES0606

### Product Data:

**Product SKU:** RPES0606

**Size:** 10µg

**Species:** Human

**Expression host:** Human Cells

**Uniprot:** Q9BZM5

### Protein Information:

**Molecular Mass:** 22.8 kDa

**AP Molecular Mass:** 30 kDa

**Tag:** C-6His

**Bio-activity:**

**Purity:** > 90 % 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 a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.

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

**Application:**

**Synonyms:** NKG2D Ligand 2; N2DL-2; NKG2DL2; ALCAN-Alpha; Retinoic Acid Early Transcript 1H; UL16-Binding Protein 2; ULBP2; N2DL2; RAET1H

## Immunogen Information:

**Sequence:** Gly26-Ser217

## Background:

NKG2D Ligand 2 (N2DL2) is a member of a family of cell-surface proteins. N2DL2 function as ligands for human cytomegalovirus glycoprotein UL16. N2DL2 is anchored to the membrane via a GPI-linkage. N2DL2 is bind to human NKG2D, an activating receptor expressed on NK cells, NKT cells, T cells. Engagement of NKG2D results in the activation of cytolytic activity and cytokine production by these effects cells. The ULBPs are expressed on some tumor cells and have been implicated in tumor surveillance.