



# Recombinant Protein Technical Manual

## Recombinant Human DCR3/TNFRSF6B Protein (Fc Tag)(Active)

RPES5239

### Product Data:

**Product SKU:** RPES5239

**Size:** 100µg

**Species:** Human

**Expression host:** Baculovirus-Insect Cells

**Uniprot:** O95407

### Protein Information:

**Molecular Mass:** 56.4 kDa

**AP Molecular Mass:** 65 kDa

**Tag:** C-Fc

**Bio-activity:** Measured by its ability to inhibit Fas Ligand induced apoptosis of Jurkat human acute T cell leukemia cells. The ED50 for this effect is typically 0.01-0.05 µg/mL in the presence of 20 ng/mL recombinant human Fas Ligand.

**Purity:** > 85 % 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 100mM Glycine, 10mM NaCl, pH 7.0.

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

**Application:**

**Synonyms:** DCR3;DJ583P15.1.1;M68;M68E;TNFRSF6B;TR6

## Immunogen Information:

**Sequence:** Met 1-His300

## Background:

Tumor necrosis factor receptor superfamily member 6B (TNFRSF6B) also known as DcR3(Decoy Receptor 3) and M68 is the tumor necrosis factor receptor superfamily. DcR3/TNFRSF6B belongs to the tumor necrosis factor receptor superfamily. The encoded protein is postulated to play a regulatory role in suppressing FasL- and LIGHT-mediated cell death. It acts as a decoy receptor that competes with death receptors for ligand binding. Over-expression of this gene has been noted in gastrointestinal tract tumors. Read-through transcription into this gene from the neighboring upstream gene, which encodes regulator of telomere elongation helicase 1 (RTEL1), generates a non-coding transcript. DcR3/TNFRSF6B is detected in fetal lung, brain and liver. DcR3/TNFRSF6B is also detected in adult stomach, spinal cord, lymph node, trachea, spleen, colon and lung. This protein is highly expressed in several primary tumors from colon, stomach, rectum, esophagus and in SW480 colon carcinoma cells.