



# Recombinant Protein Technical Manual

## Recombinant Human CD30/TNFRSF8 Protein (His & Avi Tag)

RPE5076

### Product Data:

**Product SKU:** RPE5076

**Size:** 20µg

**Species:** Human

**Expression host:** Human Cells

**Uniprot:** P28908

### Protein Information:

**Molecular Mass:** 41.1 kDa

**AP Molecular Mass:** 60-90 kDa

**Tag:** C-His-Avi

**Bio-activity:**

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

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

**Storage:** Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°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, 150mMNaCl, pH7.4.

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

**Application:**

**Synonyms:** Tumor necrosis factor receptor superfamily member 8; CD30L receptor; Ki antigen; Lymphocyte activation antigen CD30; CD30; TNFRSF8;D1S166E

## Immunogen Information:

**Sequence:** Gln24-Lys265(Met115Thr)

## Background:

CD30, also known as TNFRSF8, is a cell membrane protein of the tumor necrosis factor receptor family, which regulates proliferation/apoptosis and antibody responses. CD30 is expressed by activated, but not by resting, T and B cells. Aberrant expression of CD30 by mastocytosis mast cells and interaction with its ligand CD30L (CD153) appears to play an important role in the pathogenesis and clinical presentation of systemic mastocytosis. CD30 has been considered as a specific diagnostic biomarker of anaplastic large cell lymphoma (ALCL) and classical Hodgkin lymphoma (cHL). CD30 is also a biomarker used for targeted therapy by an antibody–drug conjugate.