

AR31047PU-N**Human CD70 - Purified****Alternate names:**

CD27 ligand, CD27L, CD27LG, TNFSF7, Tumor necrosis factor ligand superfamily member 7

Quantity:

50 µg

Background:

CD27 Ligand, a type II transmembrane protein, is a member of the TNF superfamily. It is expressed on activated T and B lymphocytes as well as NK cells. CD27L and its receptor (CD27) regulate the immune response by promoting T-cell expansion and differentiation, as well as NK enhancement. CD27 signaling can act as a co-stimulatory effector to sustain the survival of CD8+ T cells, primarily by inducing increased expression of the IL-2 gene. Full length human CD27L is a 193 amino acid protein, consisting of a 17 amino acid cytoplasmic domain, a 21 amino acid transmembrane domain, and a 155 amino acid extracellular domain. Human soluble CD27L corresponds to the 155 amino acid extracellular domain of the full length CD27L protein.

Uniprot ID:[P32970](#)**NCBI:**[NP_001243](#)**GeneID:**[970](#)**Species:**

Human

Source:

CHO cells

Format:**State:** Lyophilized purified protein**Purity:** >95% by SDS-PAGE gel and HPLC analyses**Endotoxin Level:** < 0.1 ng per µg (1EU/µg)**Reconstitution:** Restore in water to a concentration of 0.1-1.0 mg/ml.**Do Not Vortex.**

This solution can then be diluted into other aqueous buffers and stored at 2-8°C for one week or (with a carrier protein, e.g. 0.1% BSA) at -20°C to -80°C for longer.

Description:

Recombinant Human sCD27L contains the extracellular domain plus an N-terminal *His-Tag*.

The calculated molecular weight of Recombinant Human sCD27L is 18.8 kDa.

AA Sequence:

HHHHHHHHPS PGGSGGQRFA QAQQQLPLES LGWDVAELQL NHTGPQQDPR LYWQGGPALG
RSFLHGPELD KGQLRIHRDG IYMVHIQVTL AICSSTTASR HHPTTLAVGI CSPASRSISL
LRLSFHQGCT IASQRLTPLA RGDTLCTNLT GTLLPSRNTD ETFFGVQWVR P

Biological Activity: Determined by its ability to stimulate human IL-8 production by Human PBMC using a concentration range of 10.0-25.0 ng/ml.

Note: Results may vary with PBMC donors.

Molecular weight: 18.8 kDa

Add. Information:

Centrifuge vial before opening.

Storage:

Store the lyophilized protein at -20°C.
Following reconstitution product is stable for 3 months when stored in working aliquots with a carrier protein at -20°C.
Avoid repeated freezing and thawing.
Shelf life: One year from despatch.