

sCD27 Ligand Human Chinese Hamster Ovary Cells (CHO)

Product Data Sheet

Type: Recombinant	Cat. No.:	
Source: Chinese Hamster Ovary Cells (CHO)	RBG10098010	(10 µg)
Species: Human	RBG10098050	(50 µg)
Other names: TNFSF7, CD70	RBG10098100	(100 µg)

Description

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. PeproTech's 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.

Research topic

Immune Response, Infection and Inflammation

Amino Acid Sequence

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

Source

Chinese Hamster Ovary Cells (CHO)

Purity

95%

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.

Endotoxin

Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).

Reconstitution

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C

Storage, Stability/Shelf Life

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