

sCD27 Ligand, Human Recombinant

CATALOG #:	7125-10	10 µg
	7125-50	50 µg
ALTERNATE NAMES:	TNFSF7, CD70	
SOURCE:	CHO cells	
PURITY:	≥ 95% by SDS-PAGE gel and HPLC analyses	
MOL. WEIGHT:	19.2 kDa	
ENDOTOXIN LEVEL:	< 0.1 ng/µg of protein (<1EU/µg).	
FORM:	Lyophilized	
FORMULATION:	Sterile filtered through a 0.2 micron filter. Lyophilized from 20 mM Sodium Citrate, pH 3.0.	
STORAGE CONDITIONS:	Store at -20°C. After reconstitution, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.	

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.

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. BioVision's recombinant human sCD27L contains the extracellular domain plus an N-terminal His-Tag

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.

AMINO ACID SEQUENCE:

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

RELATED PRODUCTS:

- sCD14, Human Recombinant (**Cat. No. 7122-10, -50**)
- sCD22, Human Recombinant (**Cat. No. 7123-10, -50**)
- sCD23, Human Recombinant (**Cat. No. 7124-10, -50**)
- BLCAM Antibody (**Cat. No. 3363-100**)
- HCAM Antibody (**Cat. No. 3393-100**)
- CD-14, human recombinant (**Cat. No. 4937-100**)
- CD-14, mouse recombinant (**Cat. No. 4938-100**)
- CD-14 Antibody (Clone biG 10) (**Cat. No. 3676-100**)

FOR RESEARCH USE ONLY! Not to be used in humans.