

Animal-Free CD30 Ligand/TNFSF8 Protein, Human (His)

Cat. No.:	HY-P700036AF
Synonyms:	soluble CD30 Ligand; Tumor necrosis factor ligand superfamily member 8; CD153; CD30L; CD30LG
Species:	Human
Source:	E. coli
Accession:	P32971 (Q63-D234)
Gene ID:	944
Molecular Weight:	Approximately 20.57 kDa

PROPERTIES

AA Sequence	<p>M Q R T D S I P N S P D N V P L K G G N C S E D L L C I L K R A P F K K S W A Y</p> <p>L Q V A K H L N K T K L S W N K D G I L H G V R Y Q D G N L V I Q F P G L Y F I</p> <p>I C Q L Q F L V Q C P N N S V D L K L E L L I N K H I K K Q A L V T V C E S G M</p> <p>Q T K H V Y Q N L S Q F L L D Y L Q V N T T I S V N V D T F Q Y I D T S T F P L</p> <p>E N V L S I F L Y S N S D</p>
Biological Activity	Measure by its ability to induce IL-8 secretion in human PBMCs. The ED ₅₀ for this effect is <2 ng/mL.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a solution containing 1X PBS, pH 7.4.
Endotoxin Level	<0.01 EU per 1 µg of the protein by the LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	CD30 Ligand/TNFSF8 protein, a cytokine, specifically binds to TNFRSF8/CD30, acting as a potent inducer of T-cell proliferation. Operating as a homotrimer, this ligand plays a crucial role in regulating the activation and growth of T-cells, contributing to the dynamic orchestration of immune responses. The interaction between CD30 Ligand and its receptor, TNFRSF8/CD30, highlights its significance as a molecular trigger for the robust expansion of T-cell populations.
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Caution: Product has not been fully validated for medical applications. For research use only.

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