

Animal-Free OX40 Ligand/TNFSF4 Protein, Mouse (His)

Cat. No.:	HY-P700225AF
Synonyms:	Tumor necrosis factor ligand superfamily member 4; OX40 ligand; OX40L; CD252; Tnfsf4
Species:	Mouse
Source:	E. coli
Accession:	P43488 (S51-L198)
Gene ID:	22164
Molecular Weight:	Approximately 17.68 kDa

PROPERTIES

AA Sequence	<p> Q L S S S P A K D P P I Q R L R G A V T R C E D G Q L F I S S Y K N E Y Q T M E V Q N N S V V I K C D G L Y I I Y L K G S F F Q E V K I D L H F R E D H N P I S I P M L N D G R R I V F T V V A S L A F K D K V Y L T V N A P D T L C E H L Q I N D G E L I V V Q L T P G Y C A P E G S Y H S T V N Q V P L </p>
Biological Activity	Measure by its ability to induce IL-2 secretion in mouse T cells in the presence of the anti-CD3 antibody. The ED ₅₀ for this effect is <25 ng/mL.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a solution containing 1X PBS, pH 7.4.
Endotoxin Level	<0.1 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	OX40 Ligand/TNFSF4 protein, a cytokine, selectively binds to TNFRSF4, functioning as a critical co-stimulator for T-cell proliferation and cytokine production. Operating as a homotrimer, this ligand plays a key role in regulating immune responses, particularly in enhancing the activation and function of T-cells. Its engagement with TNFRSF4 highlights its significance as a molecular trigger for robust and targeted T-cell responses, contributing to the intricate orchestration of the immune system.
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Caution: Product has not been fully validated for medical applications. For research use only.

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