

Recombinant Human sOX40 Ligand Protein

Catalog Number: PROTP23510

Overview

Product Name	Recombinant Human sOX40 Ligand Protein
Description	OX40L, a member of the TNF superfamily of structurally related proteins, exists primarily as a type II membrane bound, non-covalently linked homotrimeric protein. It is expressed on antigen presenting cells (APCs), such as dendritic cells and activated B-cells, and also on various other cells such as vascular endothelial cells, mast cells, and natural killer cells. OX40L signals specifically through the OX40 receptor, which is expressed predominantly on CD4+T cells but also on certain activated CD8+T cells. OX40/OX40L functions as a costimulatory signal, which is required for a productive interaction between antigen presenting cells and their target T-cells. It enhances cell proliferation and survival, and increases expression of RANTES, IL-2, IL-3, and IFNgamma. OX40/OX40L signaling plays an important role in immuno-regulatory communication, enabling the immune system to distinguish between "friend vs. foe" during activation; a mechanism typically termed immuno-tolerance. Recombinant OX40L is a glycosylated 133 amino acid protein corresponding to the extracellular TNF homologous domain of the full length transmembrane protein. It migrates with an apparent molecular mass of 15.5 – 25.0 kDa on SDS-PAGE.
Size	Various Sizes
Tag	
Form	Solid; white powder or thin/invisible film
Source	Hi-5 Insect cells
Formulation	Protein concentration verified by UV Spectroscopy and/or SDS-PAGE gel.

Concentration

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Purity

Biological Activity And Protein Authenticity

Determined by its ability to stimulate IL-8 production by human PBMC using a concentration range of 30-100 ng/ml. Note: Results may vary with PBMC donors.

Usage

Boster's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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