

## 32-20639: Recombinant Human sOX40 Ligand(Discontinued)

**Reactivity :** Human  
**Alternative Name :** TNFSF4, OX40L, Gp34, CD252

### Description

#### Source: Hi-5 Insect cells

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 IFN $\gamma$ . 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.

### Product Info

**Amount :** 2  $\mu$ g / 10  $\mu$ g  
**Purification :** Purity:  $\geq$  97% by SDS-PAGE gel and HPLC analyses.  
**Content :** This recombinant protein is supplied in lyophilized form.  
**Amino Acid :** QVSHRYPRIQ SIKVQFTEYK KEKGFILTSQ KEDEIMKVQN NSVIINCDGF YLISLKGYS QEVNISLHYQ  
KDEEPLFQLK KVRVNSLMV ASLTYKDKVY LNVTTDNTSL DDFHVNGGEL ILIHQNPGEF CVL

### Application Note

Determined by its ability to stimulate IL-8 production by human PBMC using a concentration range of 30-100 ng/ml.