

## Recombinant Human OX40/TNFRSF4/CD134 Protein, His tag

### 产品信息

产品名称	产品编号	规格
Recombinant Human OX40/TNFRSF4/CD134 Protein, His tag	93705ES25	25 µg
	93705ES60	100 µg
	93705ES76	500 µg
	93705ES80	1 mg

### 产品简介

OX40 is a T cell co-stimulatory molecule of the TNF receptor superfamily. Its interaction with OX40L plays an important role in the expansion and survival of antigen-specific T cells. OX40 is mainly expressed by CD4+ and CD8+ T cells, and requires the combination of antigen-presenting cells and TCR and the co-stimulation of CD40-CD40 ligand and CD28-B7. OX40-OX40L interactions have been found to be important in the regulation of T-cell tolerance, peripheral T-cell homeostasis, and T-cell-mediated inflammatory diseases, making them attractive candidates for clinical intervention.

### 性能参数

<b>Synonyms</b>	TNFRSF4,OX40,CD134,OX40L receptor,ACT35,TXGP1L
<b>Uniprot No.</b>	P43489-1
<b>Source</b>	Recombinant Human OX40 Protein is expressed from HEK293 Cells with His tag at the C-terminal. It contains Leu29 - Ala216
<b>Molecular Weight</b>	The protein has a predicted MW of 21.24 kDa. And it migrates as 30-43 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
<b>Purity</b>	> 95% as determined by SDS-PAGE.
<b>Endotoxin</b>	<1.0 EU per 1µg of the protein by the LAL method.
<b>Formulation</b>	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4).
<b>Reconstitution</b>	Centrifuge tubes before opening.The concentration of protein solution used for lyophilization is generally 1mg/mL. Dissolve lyophilized protein with sterile water to ensure the concentration is greater than 100 µg/mL.

### 储存条件

The product should be stored at -25~-15°C for 1 year from date of receipt.  
2-7 days, 2~8 °C under sterile conditions after reconstitution.

3 months, -25~-15°C under sterile conditions after reconstitution.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

## 注意事项

1. Please operate with lab coats and disposable gloves, for your safety.
2. This product is for research use only.

## 产品数据

### SDS-PAGE

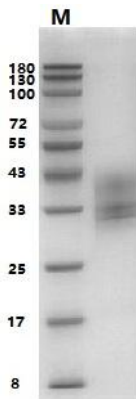


Figure 1. Human OX40 on SDS-PAGE under reduced condition. The purity is greater than 95%.

### Bioactivity -SPR Data

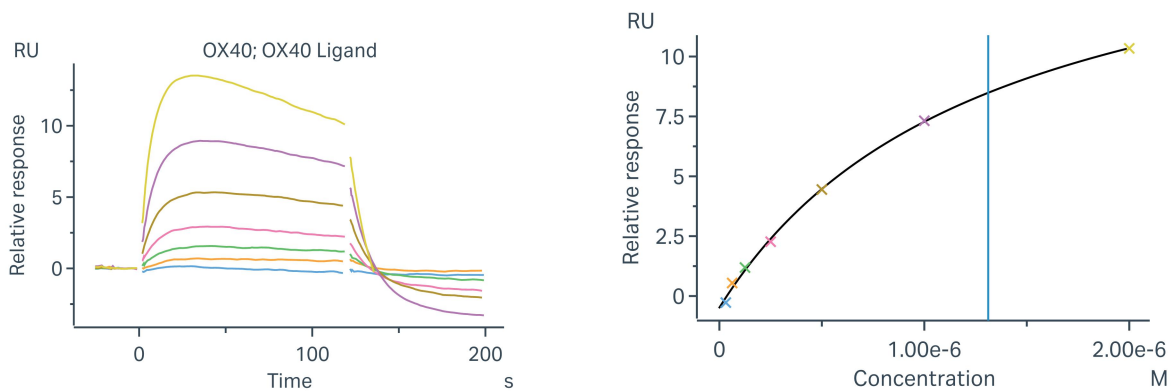


Figure 2. Human OX40 Ligand (mouse Fc tag) captured on CM5 chip via Anti-mouse IgG Fc antibodies surface, can bind human OX40, his Tag with an affinity constant of 1.31  $\mu$ M as determined in a SPR assay (Biacore 8K).