

## Recombinant Human TNFRSF4 protein, Fc-tagged

**Cat. No.** TNFRSF4-339H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human TNFRSF4 protein (Leu29-Ala216), fused to human IgG1 Fc tag at C-terminus, was expressed in human 293 cells (HEK293).                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | 188                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | Tumor necrosis factor receptor superfamily member 4 (TNFRSF4) is also known as ACT35 antigen, OX40L receptor, TAX transcriptionally-activated glycoprotein 1 receptor, CD antigen CD134, OX40. OX40/TNFRSF4 contains four TNFR-Cys repeats. TNFRSF4 is receptor for TNFSF4/OX40L/GP34 and can interact with TRAF2, TRAF3 and TRAF5. |
| <b>Form</b>             | Lyophilized from 0.22 um filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5, 10% trehalose.                                                                                                                                                                                                                           |
| <b>Molecular Mass</b>   | The protein has a calculated MW of 46.8 kDa. The protein migrates as 60-65 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.                                                                                                                                                                                        |
| <b>Endotoxin</b>        | Less than 1.0 EU per ug by the LAL method.                                                                                                                                                                                                                                                                                          |
| <b>Purity</b>           | >90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                     |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Storage**

For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- 20 centigrade to -70 centigrade for 12 months in lyophilized state;
- 70 centigrade for 3 months under sterile conditions after reconstitution.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** [TNFRSF4](#)

**Official Symbol** [TNFRSF4](#)

**Synonyms**

TNFRSF4; tumor necrosis factor receptor superfamily, member 4; TXGP1L; tumor necrosis factor receptor superfamily member 4; ACT35; CD134; OX40; OX40 antigen; ACT35 antigen; ATC35 antigen; CD134 antigen; OX40 homologue; OX40L receptor; OX40 cell surface antigen; lymphoid activation antigen ACT35; TAX transcriptionally-activated glycoprotein 1 receptor; tax-transcriptionally activated glycoprotein 1 receptor

**Gene ID** [7293](#)

**mRNA Refseq** [NM\\_003327](#)

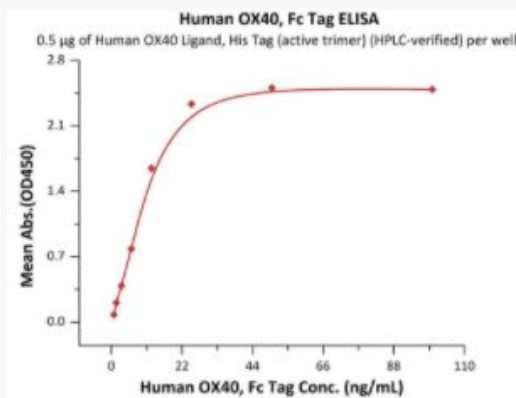
**Protein Refseq** [NP\\_003318](#)

**MIM** [600315](#)

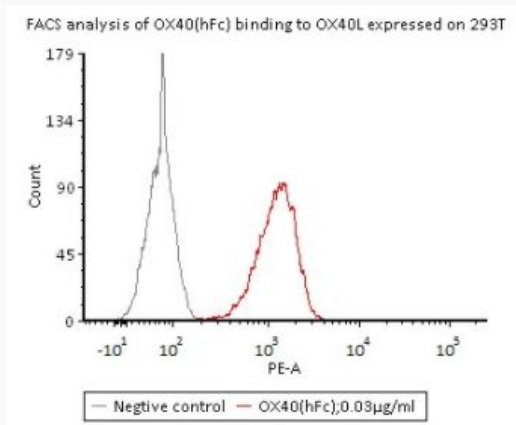
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**UniProt ID**
**P43489**
**Bioactivity-ELISA of  
TNFRSF4-339H**


Immobilized Human OX40 Ligand, His Tag (active trimer) (HPLC-verified) at 5 µg/mL (100 µL/well) can bind Human OX40, Fc Tag with a linear range of 2-25 ng/mL (QC tested).

**Bioactivity-FACS of  
TNFRSF4-339H**


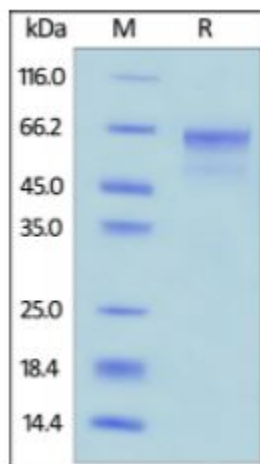
FACS assay shows that recombinant Human OX40, Fc Tag can bind to 293T cell overexpressing human OX40L. The concentration of OX40 used is 0.03 µg/ml (Routinely tested).

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**SDS-PAGE of  
TNFRSF4-339H**



Human OX40, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.