

Recombinant Human OX40/TNFRSF4 protein (His Tag)

Catalog Number: Eg1261

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: His Tag
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Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<1.0 EU/ µg protein, LAL method

Source:
HEK293-derived Human OX40/TNFRSF4 protein Leu29-Ala214 (Accession# P43489) with a His tag at the C-terminus.

GeneID:
7293

Accession:
P43489

Predicted Molecular Mass:
21.1 kDa

SDS-PAGE:

Formulation:
Lyophilized from sterile PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:
It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:
The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

CD134, also known as OX40 and TNFRSF4, is a member of the TNFR-superfamily of receptors. It is a type I transmembrane protein predominantly expressed on activated T cells which include CD4 and CD8 T cells, Th2, Th1, and Th17 cells, as well as regulatory T cells (Tregs). CD134 is activated by its cognate ligand CD134L (OX40L) and functions as a T cell co-stimulatory molecule. CD134-CD134L interactions have been proposed as a potential therapeutic target for treating autoimmune diseases, cancer and infectious disease.

References

1. Paterson, D J et al. Molecular immunology vol. 24,12 (1987): 1281-90.
2. Roos, A et al. Journal of leukocyte biology vol. 64,4 (1998): 503-10.
3. Croft, Michael. Annual review of immunology vol. 28 (2010): 57-78.
4. Webb, Gwilym J et al. Clinical reviews in allergy & immunology vol. 50,3 (2016): 312-32.

Synonyms

TNFRSF4, ACT35, ACT35 antigen, CD134, OX40

Selected Validation Data

For technical support and original validation data for this product please contact

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