

Active Recombinant Human TNFRSF4 Protein (Met1-Ala216), His-tagged, Biotinylated

Cat. No. TNFRSF4-393H Lot. No. (See product label)

SPECIFICATION

Product Overview

Recombinant Human TNFRSF4 Protein (NP_003318.1) (Met1-Ala216) was produced by HEK293 Cells expression system. This protein was expressed with a polyhistidine tag at the C-terminus. The purified protein was biotinylated in vitro.

Species

Human

Source

HEK293

ProteinLength

Met1-Ala216

Description

OX4 (CD134) and its binding partner, OX4L (CD252), are members of the tumor necrosis factor receptor/tumor necrosis factor superfamily, is known to break an existing state of tolerance in malignancies, leading to a reactivation of antitumor immunity. The interaction between OX4 and OX4L plays an important role in antigen-specific T-cell expansion and survival. OX4 and OX4L also regulate cytokine production from T cells, antigen-presenting cells, natural killer cells, and natural killer T cells, and modulate cytokine receptor signaling. In line with these important modulatory functions, OX4-OX4L interactions have been found to play a central role in the development of multiple inflammatory and autoimmune diseases, making them attractive candidates for intervention in the clinic. Conversely, stimulating OX4 has shown it to be a candidate for therapeutic immunization strategies for cancer and infectious disease.

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Predicted N Terminal	Leu 29
Form	Lyophilized from sterile PBS,pH7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to bind human TNFSF4-Fc in functional ELISA.
Molecular Mass	The recombinant human TNFRSF4 consists of 199 amino acids and has a predicted molecular mass of 21.7 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 80 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade.
Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.
Conjugation	Biotin

GENE INFORMATION

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Gene Name	TNFRSF4 tumor necrosis factor receptor superfamily, member 4 [Homo sapiens]
Official Symbol	TNFRSF4
Synonyms	TNFRSF4; TXGP1L; ACT35; CD134; OX40; OX40 antigen; ACT35 antigen; ATC35 antigen; CD134 antigen; OX40 homologue;
Gene ID	7293
mRNA Refseq	NM_003327
Protein Refseq	NP_003318
MIM	600315
UniProt ID	P43489

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