

Recombinant Human OX40/TNFRSF4 Protein (His & Fc Tag)(Active)



Catalog Number:PKSH031578

Note: Centrifuge before opening to ensure complete recovery of vial contents.

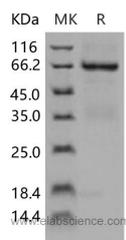
Description

Synonyms	Tumor necrosis factor receptor superfamily member 4;TNFRSF4;OX40;CD134;Txgp1;ACT35;IMD16;TXGP1L
Species	Human
Expression Host	HEK293 Cells
Sequence	Met 1-Ala 216
Accession	NP_003318.1
Calculated Molecular Weight	48.2 kDa
Observed molecular weight	68 kDa
Tag	C-His & Fc
Bioactivity	Immobilized Cynomolgus mFc-TNFSF4 at 10 µg/ml (100 µl/well) can bind human TNFRSF4-Fch, The EC50 of human TNFRSF4-Fch is 0.23-0.55 µg/ml.

Properties

Purity	> 85 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg as determined by the LAL method.
Storage	Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4
Reconstitution	Please refer to the printed manual for detailed information.

Data



Background

OX40 (CD134) and its binding partner, OX40L (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 OX40 and OX40L plays an important role in antigen-specific T-cell expansion and survival. OX40 and OX40L 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, OX40-OX40L 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 OX40 has shown it to be a candidate for therapeutic immunization strategies for cancer and infectious disease.

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