

Recombinant human OX40/TNFRSF4 protein

Catalog Number: ATGP3686

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

29-214aa

UniProt No.

P43489

NCBI Accession No.

NP_003318

Alternative Names

Tumor necrosis factor receptor superfamily member 4, TNFRSF4, ACT35, CD134, IMD16, OX40, TXGP1L, ACT35 antigen, OX40L receptor, TAX transcriptionally-activated glycoprotein 1 receptor

PRODUCT SPECIFICATION

Molecular Weight

46.9Da (425aa)

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 90% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

hIgG-His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

TNFRSF4, also known as tumor necrosis factor receptor superfamily member 4, is a T cell co-stimulatory molecule in the TNF receptor superfamily. This protein coordinates with other co-stimulatory substances (CD28, CD40, CD30, CD27 and 4-1BB) to control the activation of the immune response. It plays an important role in

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antigen-specific T cell expansion and survival. It is up-regulated on CD4+ and CD8+ T cells upon engagement of the TCR by antigen presenting cells along with co-stimulation by CD40-CD40 Ligand and CD28-B7. This protein also regulates cytokine production from T cells, antigen presenting cells, natural killer cells and natural killer cells and regulate cytokine receptor signaling. Recombinant human TNFRSF4, fused to hIgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

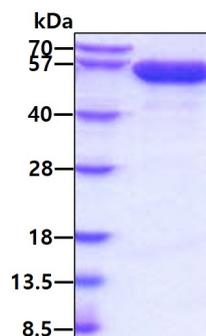
LHCVGDTYPS NDRCCHECRP GNGMVSRC SR SQNTVCRPCG PGFYNDVVSS KPCKPCTWCN LRSGSERKQL
CTATQDTVCR CRAGTQPLDS YKPGVDCAPC PPGHFSPGDN QACKPWTNCT LAGKHTLQPA SNSSDAICED RDPPATQPQE
TQGPPARPIT VQPTEAWPRT SQGPSTRPVE VPGGRA<LEPK SCDKTHTCPP CPAPELLGGP SVFLFPPKPK DTLMISRTPE
VTCVVVDVSH EDPEVKFNWY VDGVEVHNAK TKPREEQYNS TYRVVSVLTV LHQDWLNGKE YKCKVSNKAL PAPIEKTISK
AKGQPREPQV YTLPPSRDEL TKNQVSLTCL VKGFYPSDIA VEWESNGQPE NNYKTTTPVL DSDGSFFLYS KLTVDKSRWQ
QGNVFSCSVM HEALHNHYTQ KSLSLSPGKH HHHHH>

General References

Hori, T., et al. (2006) *Int. J. Hematol.* 83:17-22.
Moran, A.E., et al. (2013) *Curr. Opin. Immunol.* 25:230-237.

DATA

SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain