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

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

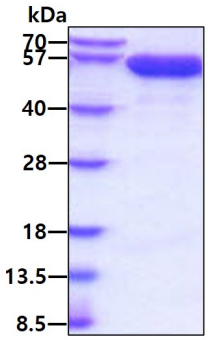
LHCVGDTYPS NDRCCHECRP GNGMVSRCSR SQNTVCRPCG PGFYNDVVSS KPCKPCTWCN LRSGSERKQL CTATQDTVCR CRAGTQPLDS YKPGVDCAPC PPGHFSPGDN QACKPWTNCT LAGKHTLQPA SNSSDAICED RDPPATQPQE TQGPPARPIT VQPTEAWPRT SQGPSTRPVE VPGGRA<LEPK SCDKTHTCPP CPAPELLGGP SVFLFPPKPK DTLMISRTPE VTCVVVDVSH EDPEVKFNWY VDGVEVHNAK TKPREEQYNS TYRVVSVLTV LHQDWLNGKE YKCKVSNKAL PAPIEKTISK AKGQPREPQV YTLPPSRDEL TKNQVSLTCL VKGFYPSDIA VEWESNGQPE NNYKTTPPVL 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



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