

Recombinant mouse OX40/TNFRSF4 protein

Catalog Number: ATGP4141

PRODUCT INFORMATION

Expression system

HEK293

Domain

20-211aa

UniProt No.

P47741

NCBI Accession No.

NP_035789.1

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

48.6kDa (435aa)

Concentration

0.25mg/ml (determined by Absorbance at 280nm)

Formulation

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

Purity

> 95% by SDS-PAGE

Endotoxin level

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

Biological Activity

Measured by its binding ability in a functional ELISA with Mouse OX40 Ligand/TNFSF4 (CAT# ATGP4022). The ED50 range \leq 0.4 ug/ml.

Tag

hIgG-His-Tag

Application

SDS-PAGE, Bioactivity

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.

Recombinant mouse OX40/TNFRSF4 protein

Catalog Number: ATGP4141

BACKGROUND

Description

TNFRSF4, also known as CD134, is a member of the TNFR-superfamily of receptors. This protein is a receptor for TNFSF4/OX40L/GP34 and a costimulatory molecule implicated in long-term T-cell immunity. OX40-OX40L interactions regulate antigen-specific T-cell expansion and survival, cytokine production. It also modulates cytokine receptor signalling. Therefore the interaction between TNFRSF4 and CD40L plays a key role in the development of multiple inflammatory and autoimmune disease. It has been implicated in the pathologic cytokine storm associated with certain viral infections, including the H5N1 bird flu. Recombinant mouse OX40/TNFRSF4, fused to hlgG-His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.

Amino acid Sequence

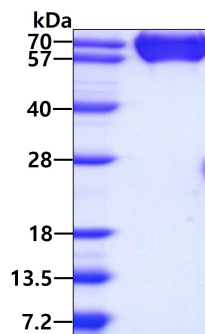
```
<DGSM>VTARRL NCVKHTYPSG HKCCRECQPG HGMVSRCDHT RDTLCHPCET GFYNEAVNYD TCKQCTQCNH  
RSGSELKQNC TPTQDTVCRG RPTGTPRQDS GYKLGVDVCP CPPGHFSPGN NQACKPWTNC TSLGKQTRHP  
ASDSDLAVCE DRLLATLLW ETQRPTFRPT TVQSTTVWPR TSELPSPPTL VTPEGP<LEPK SCDKTHTCPP CPAPELLGGP  
SVFLFPPKPK DTLMISRTPE VTCVVVDVSH EDPEVKFNWY VDGVEVHNAK TKPREEQYNS TYRVSVSLTV LHQDWLNGKE  
YKCKVSNKAL PAPIEKTISK AKGQPREPQV YTLPPSRDEL TKNQVSLTCL VKGFYPSDIA VEWESNGQPE NNYKTTTPVL  
DSDGSFFLYS KLTVDKSRWQ QGNVFSCSVM HEALHNHYTQ KSLSLSPGKH HHHHH>
```

General References

Schreiber TH, et al, (2012) J Immunol. 189:3311-3318.
Webb GJ, et al, (2016) Clin Rev Allergy Immunol. 50:312-332.
Zhou B, et al, (2020) Transplant Proc. 52:398-405.

DATA

SDS-PAGE



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

Biological Activity

Recombinant mouse OX40/TNFRSF4 protein

Catalog Number: ATGP4141

Mouse OX40 Ligand/TNFSF4 (CAT# ATGP4022) is coated at 1 ug/ml (100 ul/well) can bind Mouse OX40/TNFRSF4. The ED50 range ≤ 0.4 ug/ml.

