

Recombinant human TNFR2/TNFRSF1B protein

Catalog Number: ATGP3179

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

23-257aa

UniProt No.

P20333

NCBI Accession No.

NP_001057.1

Alternative Names

Tumor necrosis factor receptor superfamily member 1B, Tumor necrosis factor receptor 2, TNF-R2, Tumor necrosis factor receptor type II, TNF-RII, TNFR-II, p75, p80 TNF-alpha receptor, Tumor necrosis factor-binding protein 2, TBP-2, TBPII, CD120b, TNFBR, TNFR80, TNF-R75

PRODUCT SPECIFICATION

Molecular Weight

25.9 kDa (241aa)

Concentration

1mg/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 ability to inhibit cytotoxicity using L-929 mouse fibroblast cells in the presence of Human TNF- α . The ED50 range $\leq$ 0.2 μ g/ml.

Tag

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.

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BACKGROUND

Description

TNFRSF1B, also known as tumor necrosis factor receptor superfamily member 1B, mediates most of the metabolic effects of TNF-alpha. The receptor isoform 2 blocks TNF-alpha-induced apoptosis, which suggests that it regulates TNF-alpha function by antagonizing its biological activity. Further, high plasma levels of TNFRSF1B were significantly associated with increased incidence of coronary heart disease. Recombinant human TNFRSF1B, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

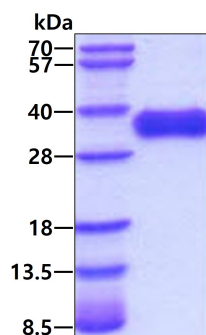
LPAQVAFTPY APEPGSTCRL REYYDQTAQM CCSKCSPGQH AKVFCTKTS TVCDSCEDST YTQLWNWVPE CLSCGSRCSS
DQVETQACTR EQNRICTCRP GWYCALSKE GCRLCAPLRK CRPGFGVARP GTETSDVVCK PCAPGTFSNT TSSTDICRPH
QICNVVAIPG NASMDAVCTS TSPTRSMAPG AVHLPQPVST RSQHTQPTPE PSTAPSTSFL LPMGPSPPAE GSTGD<HHHHH
H>

General References

Maier O et al., (2013) Biochem. Biophys. Res. Commun. 440(2):336-341.
Govindaraj C et al., (2013) Clin. Immunol. 149(1):97-110.

DATA

SDS-PAGE



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

Biological Activity

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Human TNFRSF1B inhibit cytotoxicity in the L-929 mouse fibroblast cells in the presence of Human TNF- α . The ED50 range ≤ 0.2 $\mu\text{g/ml}$.

