

**Recombinant Human sTNF Receptor Type II**  
**Catalog # PBG10429****Specification**

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**Recombinant Human sTNF Receptor Type II - Product Information****Recombinant Human sTNF Receptor Type II - Additional Information****Description**

TNFRII is a member of the TNFR family of transmembrane proteins, and is expressed in immune cells and certain endothelial cells. It is a high affinity receptor for TNF- $\alpha$  but manifests a lower affinity to TNF- $\beta$ . Signaling through this receptor regulates various biological processes including cell proliferation, differentiation, apoptosis, lipid metabolism, coagulation, and neurotransmission. Soluble TNFRII is capable of inhibiting TNF- $\alpha$  induced activities by acting as a decoy receptor. Recombinant human sTNFRII is an 18.9 kDa protein (174 amino acid residues) comprising the cysteine rich ligand binding portion of the extracellular domain of the TNFRII protein.

**Biological Activity**

Determined by its inhibitory effect of the TNF- $\alpha$  mediated cytotoxicity in murine L-929 cells. The  $ED_{50}$  for this effect in the presence of 0.25 ng/ml of recombinant human TNF- $\alpha$ , is 0.125  $\mu$ g/ml.

**Authenticity**

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

**Endotoxin**

Endotoxin level is  $<0.1$  ng/  $\mu$ g of protein ( $<1$ EU/  $\mu$ g).

**Protein Content**

Verified by UV Spectroscopy and/or SDS-PAGE gel.

**Storage**

-20°C

**Precautions**

Recombinant Human sTNF Receptor Type II is for research use only and not for use in diagnostic or therapeutic procedures.

**Recombinant Human sTNF Receptor Type II - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

- [Flow Cytometry](#)
- [Cell Culture](#)

## **Recombinant Human sTNF Receptor Type II - Images**