

## **Recombinant Human sTRAIL Receptor-2**

Catalog # PBG10461

## Specification

## Recombinant Human sTRAIL Receptor-2 - Product Information

## Recombinant Human sTRAIL Receptor-2 - Additional Information

#### **Description**

TRAIL Receptor-1/DR4 and TRAIL Receptor-2/DR5 belong to the TNFR superfamily of transmembrane proteins and contain a cytoplasmic "death domain", which can activate the cell's apoptotic machinery. These receptors are activated by binding to either membrane anchored or soluble TRAIL/Apo2L. Recombinant human soluble TRAIL Receptor-2/DR5 is a 14.9 kDa protein (133 amino acid residues) consisting of the TNFR homologous, cysteine rich portion of the extracellular domain.

#### **Biological**Activity

sTRAIL Rec 2 reduced the production of LPS-induced TNF by its ability to neutralize endogenous TRAIL in fresh human PBMC. In this assay, endogenous TRAIL is induced during a 24 hour exposure to LPS (10 ng/mL) but in the presence of sTRAIL Rec 2, TRAIL-induced TNF is suppressed.

#### **Authenticity**

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

#### **Endotoxin**

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

## **Protein Content**

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

#### **Storage**

-20°C

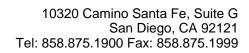
### **Precautions**

Recombinant Human sTRAIL Receptor-2 is for research use only and not for use in diagnostic or therapeutic procedures.

# Recombinant Human sTRAIL Receptor-2 - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- <u>Immunofluorescence</u>
- Immunoprecipitation
- Flow Cytomety





• Cell Culture

Recombinant Human sTRAIL Receptor-2 - Images