

PrimeGene™ Recombinant Human soluble Tumor Necrosis Factor-
a biotechnne brand **Related Apoptosis-inducing Ligand Receptor-2**
(rHusTRAIL-R2)
PrimeGene Technical Data Sheet

Catalog Number:	103-15R
Source:	<i>Escherichia coli</i> .
Molecular Weight:	Approximately 14.8 kDa, a single non-glycosylated polypeptide chain containing 132 amino acids.
Quantity:	10µg/50µg/1000µg
AA Sequence:	ESALITQQDL APQQRAPQQ KRSSPSEGLC PPGHHISEDG RDCISCKYGGQ DYSTHWNDLL FCLRCTRCDS GEVELSPCTT TRNTVCQCEE GTFREEDSPE MCRKCRGTGCP RGMVKVGDCT PWSDIECVHK ES
Purity:	> 97 % by SDS-PAGE and HPLC analyses.
Biological Activity:	Fully biologically active when compared to standard. rHusTRAIL-R2 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 rHusTRAIL-R2, TRAIL-induced TNF is suppressed.
Physical Appearance:	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation:	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.
Endotoxin:	Less than 1 EU/µg of rHusTRAIL-R2 as determined by LAL method.
Reconstitution:	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.
Shipping:	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage:	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none">● 12 months from date of receipt, -20 to -70 °C as supplied.● 1 month, 2 to 8 °C under sterile conditions after reconstitution.● 3 months, -20 to -70 °C under sterile conditions after reconstitution.
Usage:	This material is offered by Shanghai PrimeGene Bio-Tech for research, laboratory or further evaluation purposes. NOT FOR HUMAN USE.

Human soluble Tumor Necrosis Factor-Related Apoptosis-inducing Ligand Receptor-2

Tumor necrosis factor-related apoptosis-inducing ligand Receptor 2 (TRAIL-R2) is a cell-surface receptor involved in tumor necrosis factor-related apoptosis-inducing ligand (TRAIL)-induced cell-death signaling. The death ligand TRAIL bears high potential as a new anticancer agent, as binding to the death receptors TRAIL-R1 or TRAIL-R2 triggers apoptosis in most cancer cells. TRAIL-R2 has been shown to be associated with a decrease in the survival rates of breast cancer patients.