

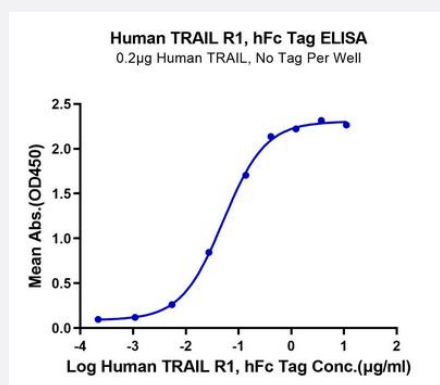
HuPro®

TNFRSF10A (Human) Recombinant Protein

Catalog # P9764

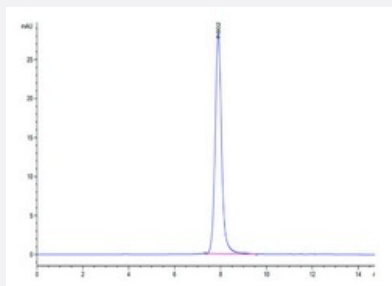
Size 100 ug

Applications



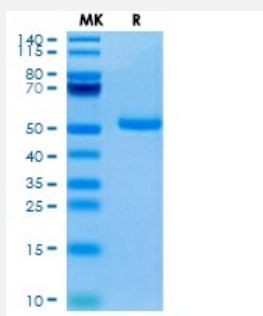
Enzyme-linked Immunoabsorbent Assay

Immobilized Human TRAIL, No Tag at 2ug/mL (100uL/well) on the plate. Dose response curve for Human TRAIL R1, hFc Tag with the EC50 of 51.6ng/mL determined by ELISA.



SEC-HPLC

The purity of Human TRAIL R1 is greater than 95% as determined by SEC-HPLC.



Tris-Bis PAGE

Human TRAIL R1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

Specification

Product Description	Human TNFRSF10A (O00220, Pro34-Asn239) partial recombinant protein with hFc tag at C-Terminus expressed in HEK293 cells.
Sequence	Pro34-Asn239
Host	Human
Theoretical MW (kDa)	48.8
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Quality Control Testing	SEC-HPLC and Tris-Bis PAGE SEC-HPLC The purity of Human TRAIL R1 is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human TRAIL R1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.
Recommend Usage	Biological Activity ELISA SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from sterile distilled Water is > 100 ug/mL
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis

Applications

- Enzyme-linked Immunoabsorbent Assay

Immobilized Human TRAIL, No Tag at 2ug/mL (100uL/well) on the plate. Dose response curve for Human TRAIL R1, hFc Tag with the EC50 of 51.6ng/mL determined by ELISA.

- Functional Study

- SDS-PAGE

Gene Info — TNFRSF10A

Entrez GeneID [8797](#)

Protein Accession#	O00220
Gene Name	TNFRSF10A
Gene Alias	APO2, CD261, DR4, MGC9365, TRAILR-1, TRAILR1
Gene Description	tumor necrosis factor receptor superfamily, member 10a
Omim ID	603611
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor is activated by tumor necrosis factor-related apoptosis inducing ligand (TNFSF10/TRAIL), and thus transduces cell death signal and induces cell apoptosis. Studies with FADD-deficient mice suggested that FADD, a death domain containing adaptor protein, is required for the apoptosis mediated by this protein. [provided by RefSeq]
Other Designations	TNF-related apoptosis inducing ligand receptor 1 cytotoxic TRAIL receptor death receptor 4

Pathway

- [Apoptosis](#)
- [Cytokine-cytokine receptor interaction](#)
- [Natural killer cell mediated cytotoxicity](#)

Disease

- [Adenocarcinoma](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Colorectal Neoplasms](#)
- [Diabetes Mellitus](#)

- [Disease Models](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Hodgkin Disease](#)
- [Lung Neoplasms](#)
- [Lymphatic Metastasis](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Multiple Myeloma](#)
- [Narcolepsy](#)
- [Neoplasm Invasiveness](#)
- [Neoplasm Metastasis](#)
- [Neoplasms](#)
- [Occupational Diseases](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Stomach Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)