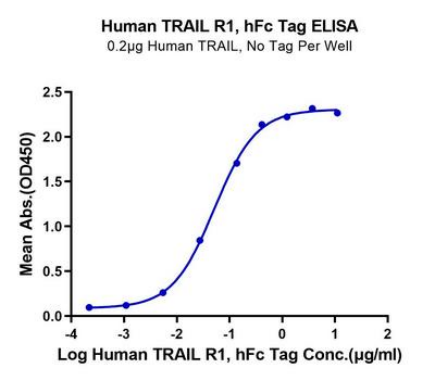
Bioactive HuPro®

TNFRSF10A (Human) Recombinant Protein

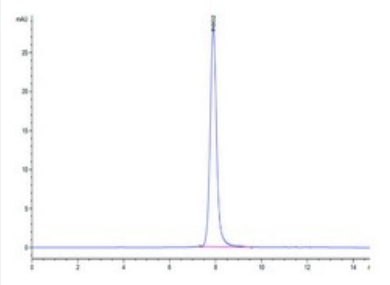
Catalog # P9764 Size 100 ug

Applications



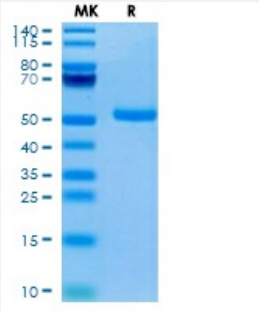
Enzyme-linked Immunoabsorbent Assay

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

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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

- Functional Study
- 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.
- SDS-PAGE

Gene Info — TNFRSF10A

Entrez GeneID	8797

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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 t ransduces cell death signal and induces cell apoptosis. Studies with FADD-deficient mice sugge sted that FADD, a death domain containing adaptor protein, is required for the apoptosis mediat ed 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

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- 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

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