# Recombinant Human TRAIL-R1, Fc Chimera

**Cat. No.** TNFRSF10A-49H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Produced in HEK 293 cells. The extracellular domain of human TRAIL-R1 (aa 1 - 238) is fused to the Fc portion of human IgG1. |
| **Species** | Human |
| **Source** | HEK293 |
| **ProteinLength** | 1-238 a.a. |
| **Description** | DR4 is a transmembrane protein, also called TRAIL receptor 1 (TRAIL-R1). The ligand for this DR4 death receptor has been identified and termed TRAIL, which is a member of the TNF family. DR4, as many other receptors (Fas, TNFR1, etc.), mediates apoptosis and NF kappaB activation in many cells and tissues.Apoptosis, a programmed cell death, is a operating process in normal cellular differentiation and development of multicellular organisms. Apoptosis is induced by coupled of certain cytokines (TNF family - TNF, Fas ligand) and their death domain containing receptors (TNFR1, Fas receptor). |
| **Notes** | Indicated dilutions are recommended starting points for use of this product. Working concentrations should be determined by the investigator. |

## GENE INFORMATION

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| **Gene Name** | TNFRSF10A tumor necrosis factor receptor superfamily, member 10a [ Homo sapiens ] |

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| **Official Symbol** | TNFRSF10A |
| **Synonyms** | TNFRSF10A; tumor necrosis factor receptor superfamily, member 10a; tumor necrosis factor receptor superfamily member 10A; Apo2; CD261; DR4; TRAILR 1; TRAIL-R1; TRAIL receptor 1; death receptor 4; cytotoxic TRAIL receptor; TNF-related apoptosis-inducing ligand receptor 1; tumor necrosis factor receptor superfamily member 10a variant 2; APO2; TRAILR1; TRAILR-1; MGC9365; |
| **Gene ID** | 8797 |
| **mRNA Refseq** | NM_003844 |
| **Protein Refseq** | NP_003835 |
| **MIM** | 603611 |
| **UniProt ID** | O00220 |
| **Chromosome Location** | 8p21 |
| **Pathway** | Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Direct p53 effectors, organism-specific biosystem; Influenza A, organism-specific biosystem; Influenza A, conserved biosystem; |
| **Function** | TRAIL binding; death receptor activity; protein binding; receptor activity; transcription factor binding; |

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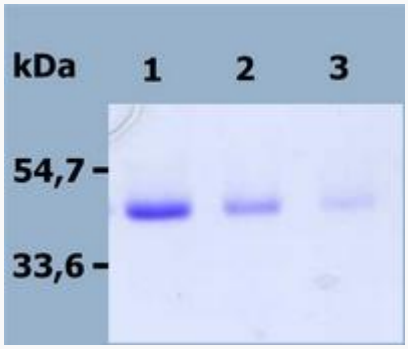
| **SDS-PAGE Electrophoresis of Recombinant Human TRAIL-R1, Fc Chimera .Lane 1 to 3: Recombinant Human TRAIL-R1, Fc Chimera . Staining with Coomassie Blue.** |   |

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