

# Recombinant Human TNFSF10 Protein

**Cat. No.** TNFSF10-253H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| <b>Product Overview</b> | Recombinant Human TNFSF10 Protein without tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | 115-281 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>      | Tumor necrosis factor-related apoptosis-inducing ligand (TRAIL) is a member of the tumor necrosis factor (TNF) family of cytokines. TRAIL is widely produced by a variety of cell types including tumor cells, smooth muscle of the lung and spleen, cerebellar glial cells, and thyroid follicular cells. TRAIL is a cytotoxic protein that induces apoptosis in tumor cells through the activation of the death receptors DR4 and DR5. TRAIL also binds the neutralizing decoy receptors, DcR1 and DcR2. Human TRAIL is active on mouse cells. |
| <b>Bio-activity</b>     | No biological activity data is available at this time.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Molecular Mass</b>   | Monomer, 19.5 kDa (168 aa)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>AA Sequence</b>      | MRERGPQRVAAHITGTRGRSNTLSSPNSKNEKALGRKINSWESSRSGHSFLSNLHL<br>RNGELVIHEKGFYYIYSQTYFRFQEEIKENTKNDKQMVQYIYKYTSYPDPILLMKSAR<br>NSCWSKDAEYGLYSIQGGIFELKENDRIFVSVTNEHLIDMDHEASFFGAFLVG                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Endotoxin</b>        | ≤1 EUs/μg, Kinetic LAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | ≥90%, Reducing and Non-Reducing SDS PAGE                                                                                                                                                                                                                                                                                              |
| <b>Stability</b>      | 12 months from date of receipt when stored at -20 to -80 centigrade as supplied.<br>1 month when stored at 4 centigrade after reconstituting as directed.<br>3 months when stored at -20 to -80 centigrade after reconstituting as directed.                                                                                          |
| <b>Storage</b>        | Storage Prior to Reconstitution: -20 centigrade                                                                                                                                                                                                                                                                                       |
| <b>Storage Buffer</b> | Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, 50 mM sodium chloride, pH 7.5                                                                                                                                                                                                    |
| <b>Reconstitution</b> | Sterile water at 0.1 mg/mL                                                                                                                                                                                                                                                                                                            |
| <b>Shipping</b>       | Room temperature                                                                                                                                                                                                                                                                                                                      |
| <b>Instructions</b>   | Centrifuge vial before opening. Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80 centigrade and avoid repeat freeze thaws. |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                 |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | TNFSF10 tumor necrosis factor (ligand) superfamily, member 10 [ Homo sapiens (human) ]                                                                                                                                                                                                                                          |
| <b>Official Symbol</b> | TNFSF10                                                                                                                                                                                                                                                                                                                         |
| <b>Synonyms</b>        | TNFSF10; tumor necrosis factor (ligand) superfamily, member 10; tumor necrosis factor ligand superfamily member 10; Apo 2L; CD253; TL2; TRAIL; Apo-2 ligand; TNF-related apoptosis inducing ligand TRAIL; tumor necrosis factor (ligand) family, member 10; chemokine tumor necrosis factor ligand superfamily member 10; tumor |

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necrosis factor apoptosis-inducing ligand splice variant delta; APO2L; Apo-2L;

**Gene ID** 8743**mRNA Refseq** NM\_001190942**Protein Refseq** NP\_001177871**MIM** 603598**UniProt ID** P50591 Tel: 1-631-559-9269 1-516-512-3133 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA