Datasheet for ABIN7535961

# TRAIL Protein

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## Overview

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| Quantity: | 100 µg |
| Target: | TRAIL (TNFSF10) |
| Origin: | Human |
| Source: | Escherichia coli (E. coli) |
| Protein Type: | Recombinant |

## Product Details

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| Purpose: | Active Recombinant Human TNFSF10/TRAIL/CD253 Protein |
| Sequence: | VRERGPQRVA AHITGTRGRS NTLSSPNSKN EKALGRKINS WESSRSGHSF LSNLHLRNGE LVIHEKGFYY IYSQTYFRFQ EEIKENTKND KQMVQYIYKY TSYPDPILLM KSARNSCWSK DAEYGLYSIY QGGIFELKEN DRIFVSVTNE HLIDMDHEAS FFGAFLVG |
| Specificity: | Val114-Gly281 |
| Purity: | > 95 % by SDS-PAGE. |
| Sterility: | 0.22 µm filtered |
| Endotoxin Level: | <0.1EU/µg |

## Target Details

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| Target: | TRAIL (TNFSF10) |
| Alternative Name: | TNFSF10/TRAIL/CD253 (TNFSF10 Products) |
| Background: | Description: Tumor necrosis factor ligand superfamily member 10 (TNFSF10), also known as TNF-related apoptosis-inducing ligand (TRAIL), Apo-2 ligand, and CD253, is a cytokine that |

## Target Details

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| | belongs to the tumor necrosis factor (TNF) ligand family. TNFSF10 / Apo-2L / CD253 functions as a ligand that induces the process of cell death called apoptosis. TNFSF10 / TRAIL shows homology to other members of the tumor necrosis factor superfamily. As one member of the cluster of differentiation system, TNFSF10 / CD253 is commonly used as cell markers in Immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules which associating with the immune function of the cell. There are more than 320 CD unique clusters and subclusters have been identified.<br>Name: TNFSF10,APO2L,Apo-2L,CD253,TL2,TNLG6A,TRAIL |
| Gene ID: | 8743 |
| UniProt: | P50591 |
| Pathways: | Apoptosis, Positive Regulation of Endopeptidase Activity |

## Application Details

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| Restrictions: | For Research Use only |

## Handling

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| Format: | Lyophilized |
| Reconstitution: | Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles. |
| Buffer: | Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. |
| Storage: | -20 °C,-80 °C |
| Storage Comment: | Store the lyophilized protein at -20°C to -80°C for 12 months.\|After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. |