

## Datasheet for ABIN7275777

# **TNFRSF10A Protein (His-Avi Tag)**





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## Overview

| Quantity:                     | 100 μg   |
|-------------------------------|--|
| Target:                       | TNFRSF10A  |
| Origin:                       | Human  |
| Source:                       | HEK-293 Cells  |
| Protein Type:                 | Recombinant  |
| Purification tag / Conjugate: | This TNFRSF10A protein is labelled with His-Avi Tag. |

## **Product Details**

| Sequence:                    | Pro34-Asn239   |
|------------------------------|--|
| Purity:                      | > 95% as determined by Tris-Bis PAGE,> 95% as determined by HPLC   |
| Sterility:                   | 0.22 µm filtered   |
| Endotoxin Level:             | Less than 1EU per μg by the LAL method.  |
| Biological Activity Comment: | The affinity constant of 0.13nM as determined in SPR assay (Biacore T200). See testing image for detail. |

# Target Details

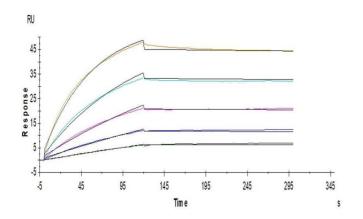
| Target:           | TNFRSF10A  |
|-------------------|--|
| Alternative Name: | TRAIL R1 (TNFRSF10A Products)  |
| Background:       | DR4, CD261, TNFRSF10A, TRAIL-R, APO2, TRAIL R1, MGC9365, Tumor necrosis factor receptor superfamily member 10A (TNFRSF10A) is also known as TNF-related apoptosis-inducing |
|                   | ligand receptor 1 (TRAIL-R1), Death receptor 4 (DR4), CD261 and APO2, which belongs to TNF   |

## **Target Details**

Expiry Date:

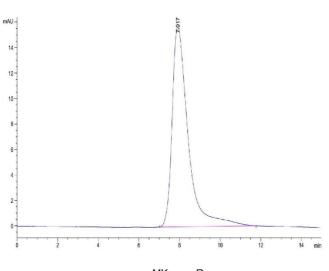
12 months

| rarget Details      |  |
|---------------------|--|
|                     | superfamily. The expression of apoptosis-inducing TRAIL-R1 and TRAIL-R2 and of the decoy receptors TRAIL-R3 and TRAIL-R4 was systematically studied in all developmental stages of peripheral B cells isolated from the blood and secondary lymphoid organs. Expression of TRAIL-Rs is modulated along development, with highest levels observed in germinal center B cells. |
| Molecular Weight:   | 24.7 kDa. Due to glycosylation, the protein migrates to 25-30 kDa based on Tris-Bis PAGE result.   |
| UniProt:            | 000220   |
| Pathways:           | Apoptosis, Positive Regulation of Endopeptidase Activity   |
| Application Details |  |
| Restrictions:       | For Research Use only  |
| Handling            |  |
| Format:             | Lyophilized  |
| Reconstitution:     | Centrifuge tubes before opening. Reconstituting to a concentration more than 100 $\mu$ g/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.  |
| Buffer:             | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.  |
| Storage:            | 4 °C,-80 °C  |
| Storage Comment:    | Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.   |



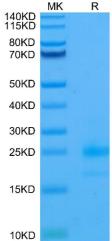
#### **Surface Plasmon Resonance**

**Image 1.** Human TRAIL R1, His Tag captured on CM5 Chip via anti-His antibody can bind Human TRAIL, No Tag with an affinity constant of 0.13nM as determined in SPR assay (Biacore T200).



# Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Human TRAIL R1 is greater than 95 % as determined by SEC-HPLC.



### **SDS-PAGE**

Image 3. Human TRAIL R1 on Tris-Bis PAGE under reduced conditions. The purity is greater than 95 % .