

Datasheet for ABIN7275774  
**TRAIL Protein (AA 114-281)**

## 5 Images

[Go to Product page](#)

## Overview

|                          |                            |
|--------------------------|----------------------------|
| Quantity:                | 100 µg                     |
| Target:                  | TRAIL (TNFSF10)            |
| Protein Characteristics: | AA 114-281                 |
| Origin:                  | Human                      |
| Source:                  | Escherichia coli (E. coli) |
| Protein Type:            | Recombinant                |

## Product Details

|                              |  |
|------------------------------|--|
| Purpose:                     | Human TRAIL/TNFRSF10 Protein   |
| Sequence:                    | Val114-Gly281  |
| Characteristics:             | Recombinant Human TRAIL/TNFRSF10 Protein is expressed from E.coli without tag.It contains Val114-Gly281.   |
| Purity:                      | > 95 % as determined by Tris-Bis PAGE,> 95 % as determined by SEC-HPLC   |
| Sterility:                   | 0.22 µm filtered   |
| Endotoxin Level:             | Less than 1EU per µg by the LAL method.  |
| Biological Activity Comment: | Immobilized Human TRAIL at 2µg/ml (100µl/well) on the plate. Dose response curve for Human TRAIL R1, hFc Tag with the EC50 of 51.6ng/ml determined by ELISA. The affinity constant of 0.57 nM as determined in SPR assay (Biacore T200). See testing image for detail. |

## Target Details

|         |                 |
|---------|-----------------|
| Target: | TRAIL (TNFSF10) |
|---------|-----------------|

## Target Details

|                   |   |
|-------------------|---|
| Alternative Name: | TRAIL ( <a href="#">TNFSF10 Products</a> )  |
| Background:       | Tumor necrosis factor (TNF)-related apoptosis-inducing ligand (TRAIL) is a member of the TNF superfamily that can initiate the apoptosis pathway by binding to its associated death receptors DR4 and DR5. The activation of the TRAIL pathway in inducing tumor-selective apoptosis leads to the development of TRAIL-based cancer therapies, which include recombinant forms of TRAIL, TRAIL receptor agonists, and other therapeutic agents. |
| Molecular Weight: | 19.6 kDa same as Tris-Bis PAGE result.  |
| NCBI Accession:   | <a href="#">NP_003801</a>   |
| Pathways:         | <a href="#">Apoptosis</a> , <a href="#">Positive Regulation of Endopeptidase Activity</a>   |

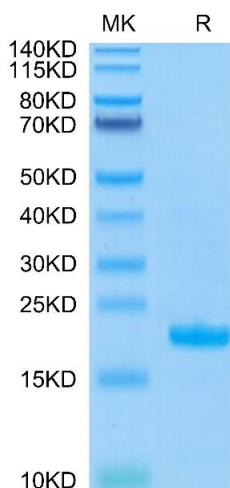
## Application Details

|               |                       |
|---------------|-----------------------|
| Restrictions: | For Research Use only |
|---------------|-----------------------|

## Handling

|                  |   |
|------------------|---|
| Format:          | Liquid  |
| Buffer:          | Supplied as 0.22µm filtered solution in 50 mM Tris, 300 mM NaCl ( pH 7.2).  |
| Storage:         | -80 °C  |
| Storage Comment: | Valid for 12 months from date of receipt when stored at -80°C., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |
| Expiry Date:     | 12 months   |

## Images

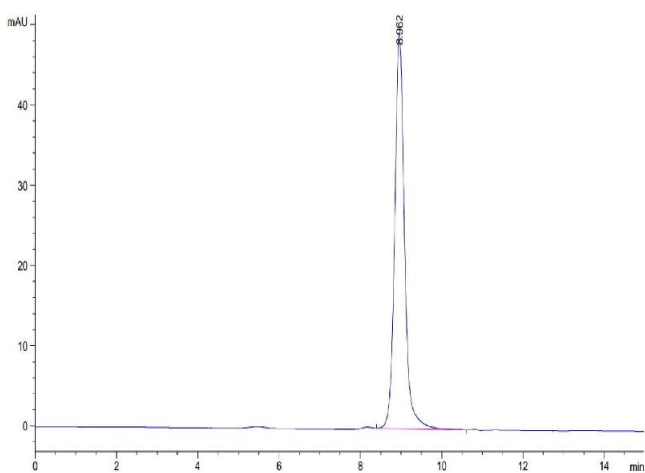


### SDS-PAGE

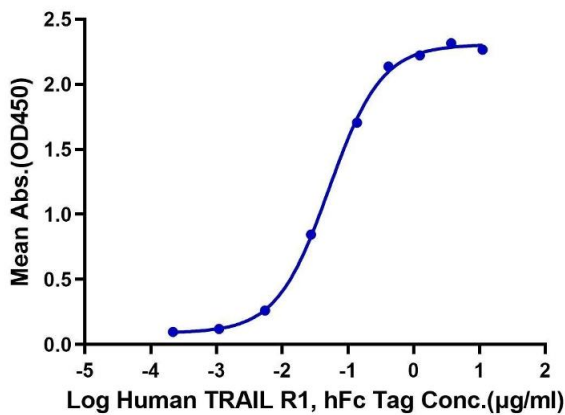
**Image 1.** Human TRAIL on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Size-exclusion chromatography-High Pressure Liquid Chromatography

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



**Human TRAIL, No Tag ELISA**  
0.2µg Human TRAIL, No Tag Per Well



ELISA

**Image 3.** Immobilized Human TRAIL at 2 µg/mL (100 µ L/well) on the plate. Dose response curve for Human TRAIL R1, hFc Tag with the EC50 of 51.6 ng/mL determined by ELISA.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7275774.