



Certificate of Analysis

TRAIL R2/TNFRSF10B Protein, Human (HEK293)

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|-------------------|-------------------------|
| Cat. No.: | HY-P7307 |
| Batch No.: | 248181 |
| Species: | Human |
| Source: | HEK293 |
| Tag: | Tag Free |
| Accession: | O14763 (A54-E182) |
| Gene ID: | 8795 |
| Molecular Weight: | Approximately 16.22 kDa |

ANALYTICAL DATA

| TEST | Specifications | Results |
|---------------------|--|-------------|
| Purity | Greater than 95% as determined by reducing SDS-PAGE. | 96.06% |
| Endotoxin Level | <1 EU/μg, determined by LAL method. | PASS |
| Biological Activity | Measured by its ability to inhibit TRAIL-mediated cytotoxicity using A549 cells treated with TRAIL. The ED ₅₀ for this effect is 43.96 ng/mL, corresponding to a specific activity is 2.275×10 ⁴ units/mg. | 43.96 ng/mL |
| Appearance | Lyophilized powder. | |
| Reconstitution | It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. | |
| Storage & Stability | Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage. | |
| Shipping | Room temperature in continental US; may vary elsewhere. | |

Caution: Product has not been fully validated for medical applications. For research use only.

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