

Rev02  
 Update: Aug,08,2025
**DATASHEET**

# TRAIL R1/DR4/TNFRSF10A hFc Chimera, Human

Cat. No.: Z05910

## Product Introduction

<b>Species</b>	Human
<b>Protein Construction</b>	<div style="display: flex; align-items: center; justify-content: space-between;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;">             TRAIL R1/DR4/TNFRSF10A (Pro34-Asn239)_x000D_              Accession # O00220           </div> <div style="background-color: #76b82a; color: white; padding: 5px; text-align: center;">hFc</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span>N-term</span> <span>C-term</span> </div>
<b>Purity</b>	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
<b>Endotoxin Level</b>	Less than 1EU per µg by the LAL method.
<b>Biological Activity</b>	Measured by its binding ability in a functional ELISA. Immobilized Human TRAIL, No Tag at 5µg/ml (100µl/well) on the plate can bind TRAIL R1/DR4/TNFRSF10A hFc Chimera, Human. Test result was comparable to standard batch.
<b>Expression System</b>	HEK293
<b>Theoretical Molecular Weight</b>	48.8 kDa
<b>Apparent Molecular Weight</b>	Due to glycosylation, the protein migrates to 50-60 kDa based on Bis-Tris PAGE result.
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage &amp; Stability</b>	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

## Background

**Target Background :** Tumor necrosis factor (TNF)-related apoptosis-inducing ligand (TRAIL) induces apoptosis selectively via its interaction with the death receptors TRAILR1/DR4 and TRAILR2/DR5 in a wide range of cancers, while sparing normal cells. Despite its tremendous potential for cancer therapeutics, the translation of TRAIL into the clinic has been confounded by TRAIL-resistant cancer populations.

**Synonyms :** DR4; CD261; TNFRSF10A; TRAIL-R; APO2; TRAIL R1; MGC9365

**For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.**

Confidential and Privileged



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