

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

# TRAIL R2/DR5/TNFRSF10B, His, Cynomolgus

Cat. No.: Z04932

## Product Introduction

<b>Species</b>	Cynomolgus
<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 R2/DR5/TNFRSF10B (Ile58-Ser212)              Accession # A0A2K5TXK0           </div> <div style="background-color: #76b82a; color: white; padding: 5px; text-align: center;">His</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 TRAIL R2/DR5/TNFRSF10B, His, Cynomolgus at 1µg/ml (100µl/well) on the plate can bind Anti - TRAIL R2 Antibody, hFc Tag. Test result was comparable to standard batch.
<b>Expression System</b>	HEK293
<b>Theoretical Molecular Weight</b>	18.28 kDa
<b>Apparent Molecular Weight</b>	Due to glycosylation, the protein migrates to 25-35 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 :** DR5, also called TRAIL R2, TRICK 2, TNFRSF10B, and MK is a type 1 TNF R superfamily, membrane protein which is a receptor for TRAIL (APO2 ligand). DR5 is a receptor for the cytotoxic ligand TNFSF10/TRAIL. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis.

**Synonyms :** CD262; DR5; DR5TRICK2B; Fas-like protein; KILLER/DR5; TNFRSF10B; TRAIL R2; TRAIL receptor 2; TRAILR2; TRICK2; TRICK2A; TRICKB; ZTNFR9; KILLER

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

Confidential and Privileged



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