Data Sheet (Cat.No.TMPJ-00418)

TRAIL R3/TNFRSF10C Protein, Human, Recombinant (hFc & His)

General Information

Synonyms:	Decoy Receptor 1;Antagonist Decoy Receptor for TRAIL/Apo-2L;DcR1;Tumor Necrosis Factor Receptor Superfamily Member 10C;Lymphocyte Inhibitor of TRAIL;TNF-Related Apoptosis-Inducing Ligand Receptor 3;Decoy TRAIL Receptor Without Death Domain;TRAIL Re
Protein Construction:	Ala26-Ala221
Species:	Human
Expression Host:	HEK293 Cells
Accession:	O14798
Molecular Weight:	90 KDa (reducing condition)
AA Sequence:	Ala26-Ala221

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing PBS, pH 7.4.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Tumor Necrosis Factor Receptor Superfamily Member 10C (TNFRSF10C) is a glycosyl-phosphatidylinositol-linked membrane protein which binds TRAIL with high affinity. TNFRSF10C has the TRAIL-binding extracellular cysteine-rich domains, lacks the intracellular signaling domain. As a result, binding of TRAIL to TRAIL R3 doesn't transduce an apoptosis signal. The expression of TRAIL R3 gene has been shown to protect cells bearing TRAIL R1 and/or

TRAIL R2 from TRAIL-induced apoptosis.

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