

TRAIL R2/DR5/TNFRSF10B Protein, Cynomolgus, Recombinant (His), Biotinylated

General Information

Protein Construction: Ile58-Ser212
Species: Cynomolgus
Expression Host: HEK293 Cells
Accession: A0A2K5TXK0
Molecular Weight: 18.28 kDa (Predicted); 30-38 kDa (Reducing condition, due to glycosylation)

QC Testing

Biological Activity: Immobilized Biotinylated Cynomolgus TRAIL R2, His Tag at 0.5 µg/ml (100 µl/Well) on streptavidin (5 µg/ml) precoated plate. Dose response curve for Anti-TRAIL R2 Antibody, hFc Tag with the EC50 of 3.5 ng/ml determined by ELISA (QC Test).
Purity: > 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC
Endotoxin: < 1 EU/µg of the protein as determined by the LAL method.
Formulation: Supplied as 0.22 µm filtered solution in PBS (pH 7.4).

Preparation and Storage

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. 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

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.

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