Human CellExp™ TNFRSF10B /TRAILR2, human recombinant

CATALOG #: 7448-10 10 µg
7448-50 50 µg

ALTERNATE NAMES: TNFRSF10B, TRAILR2, TRAIL-R2, CD262, DR5, KILLER, TRICK2, ZTNFR9, TRICKB.

SOURCE: HEK 293 cells (Ile 56 – Glu 182)

PURITY: ≥ 95% by SDS-PAGE gel

MOL. WEIGHT: This protein fused with 6×His tag at the C-terminus, has a calculated MW of 15.1 kDa. The predicted N-terminus is Ile 56. DTT-reduced Protein migrates as 15-20 kDa due to glycosylation.

ENDOTOXIN LEVEL: <1 EU/µg by LAL method

FORM: Lyophilized

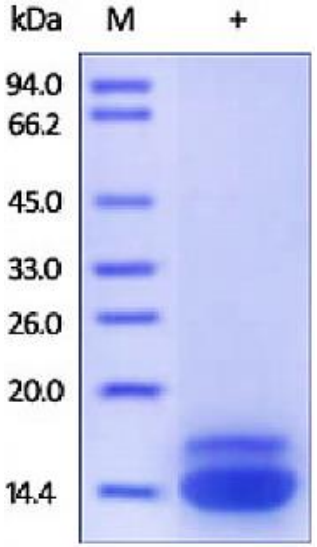
FORMULATION: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally Mannitol or Trehalose is added as protectants before lyophilization.

STORAGE CONDITIONS: Store at -20°C. After reconstitution, aliquot and store at -20°C and use within 3 months. Avoid repeated freezing and thawing cycles.

RECONSTITUTION: Centrifuge the vial prior to opening. Reconstitute in sterile PBS, pH 7.4 to a concentration of 50 µg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°C.

DESCRIPTION: Tumor necrosis factor receptor superfamily member 10B (TNFRSF10B) also known as TNF-related apoptosis-inducing ligand receptor 2 (TRAILR2), Death receptor 5 (DR5), CD262, KILLER, is a member of the TNF-receptor superfamily, and contains an intracellular death domain. TNFRSF10B / DR-5 is widely expressed in adult and fetal tissues; very highly expressed in tumor cell lines. TRAILR2 / CD262 / DR5 is the receptor for the cytotoxic ligand TNFSF10/TRAIL. The adapter molecule FADD (a death domain containing adaptor protein) of TRAIL-R2 / TNFRSF10B recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases activation of NF-kappa-B. DR5 is essential for ER stress-induced apoptosis and is regulated by p53/TP53.

BIOLOGICAL ACTIVITY: Measured by its binding ability in a functional ELISA. Immobilized human TNFRSF10B at 10 µg/ml (100 µl/well) can bind biotinylated TNFSF10 with a linear range of 0.375 - 10 ng/ml.



Human recombinant TNFRSF10B

RELATED PRODUCTS:

- Human CellExp™ CD223, human recombinant **(Cat. No. 7278-10, -50)**
- Human CellExp™ CD71, human recombinant **(Cat. No. 7279-10, -50)**
- Human CellExp™ CD273, human recombinant **(Cat. No. 7369-10, -50)**
- Human CellExp™ CD33, human recombinant **(Cat. No. 7370-10, -50)**
- Human CellExp™ CD36, human recombinant **(Cat. No. 7371-10, -50)**
- Human CellExp™ CD87, human recombinant **(Cat. No. 7372-20, -100)**
- Human CellExp™ CD360, human recombinant **(Cat. No. 7373-20, -100)**
- Human CellExp™ CD244, human recombinant **(Cat. No. 7374-10, -50)**
- Human CellExp™ CD304, human recombinant **(Cat. No. 7375-10)**
- Human CellExp™ CD319, human recombinant **(Cat. No. 7376-10, -50)**
- Human CellExp™ CD306, human recombinant **(Cat. No. 7377-10, -50)**
- Human CellExp™ CD84, human recombinant **(Cat. No. 7378-10, -50)**

FOR RESEARCH USE ONLY! Not to be used in humans.