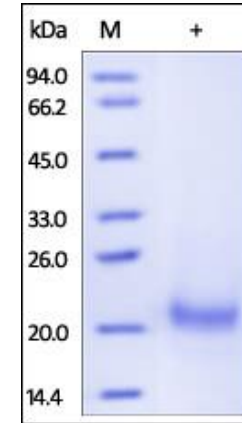


Human CellExp™ TNFRSF10A / TRAIL R1, human recombinant

CATALOG NO:	P1141-10 10 µg P1141-50 50 µg
ALTERNATE NAMES:	TNFRSF10A, TRAIL-R1, CD261, APO2, DR4
SOURCE:	HEK 293 cells (Ala 24 – Asn 239)
PURITY:	> 92% by SDS – PAGE
MOL. WEIGHT:	Human TRAIL R1, His Tag is fused with a polyhistidine tag at the C-terminus, and has a calculated MW of 24 kDa. The predicted N-terminus is Ala 24. DTT-reduced Protein migrates as 22-24 kDa in SDS-PAGE
ENDOTOXIN LEVEL:	< 1.0 EU per 1µg of protein (determined by LAL method)
FORM:	Lyophilized
FORMULATION:	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Generally Mannitol or Trehalose is added as a protectant 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 deionized water to a concentration of 50 µg/ml. Solubilize for 30 to 60 minutes at room temperature with occasional gentle mixing. Carrier protein (0.1% (W/V) HSA or BSA) is recommended for further dilution and long term storage. 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 -80°C.
DESCRIPTION:	Tumor necrosis factor receptor superfamily member 10A (TNFRSF10A) is also known as TNF-related apoptosis-inducing ligand receptor 1 (TRAIL-R1), Death receptor 4 (DR4), CD261 and APO2, which belongs to TNF superfamily. TRAILR1 / TNFRSF10A contains 1 death domain and 3 TNFR-Cys repeats. TNFRSF10A / DR4 is widely expressed and high levels are found in spleen, peripheral blood leukocytes, small intestine and thymus, but also in K-562 erythroleukemia cells, MCF-7 breast carcinoma cells and activated T-cells. APO2 / TNFRSF10A is receptor for the cytotoxic ligand TNFSF10 / TRAIL. The adapter molecule FADD 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 (aspartate-specific cysteine proteases) mediating apoptosis. TRAILR-1 / DR4 / CD261 promotes the activation of NF-kappa-B.



The purity of Human TRAIL R1, His Tag was determined by DTT-reduced (+) SDS-PAGE and staining overnight with Coomassie Blue.

RELATED PRODUCT:

- Human CellExp™ TNFRSF10B/TRAILR2, human recombinant (Cat. No. 7448-10, -50)
- Human CellExp™ TNFRSF10D/TRAIL R4, Fc Tag, Human recombinant (Cat. No. P1139-10, -50)
- Human CellExp™ TNFRSF10D/TRAIL R4, human recombinant (Cat. No. P1140-10, -50)
- Human CellExp™ CD166/ ALCAM, human recombinant (Cat. No. 7437-10, -50)
- Human CellExp™ CD172A / SIRP, human recombinant (Cat. No. 7506-10, -50)
- Human CellExp™ CD33 / SIGLEC-3, human recombinant (Cat. No. 7370-10, -50)
- Human CellExp™ CD47, human recombinant (Cat. No. 7385-10, -50)
- Human CellExp™ CD55/DAF, human recombinant (Cat. No. 7432-10, -50)
- Human CellExp™ CD58 /LFA-3, human recombinant (Cat. No. 7427-10, -50)
- Human CellExp™ CD62E/E-Selectin, human recombinant (Cat. No. 7434-20, -100)
- Human CellExp™ CD71 / TFRC / TFR, human recombinant (Cat. No. 7279-10, -50)
- Human CellExp™ CD273, human recombinant (Cat. No. 7369-10, -50)
- Human CellExp™ CD36, human recombinant (Cat. No. 7371-10, -50)
- Human CellExp™ CD87, human recombinant (Cat. No. 7372-20, -100)

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