

TRAIL R-2, Human

Cat. No.: Z03095-1

Size: 1.0 mg

Synonyms: soluble TRAIL Receptor-2, DR5, TN-FRSF10B, KILER, TRICK2A, TRICKB

Description:

TRAIL Receptor-2 is a cell-surface receptor involved in tumor necrosis factor-related apoptosis-inducing ligand (TRAIL)-induced cell-death signaling. The death ligand TRAIL bears high potential as a new anticancer agent, as binding to the death receptors TRAIL-R1 or TRAIL-R2 triggers apoptosis in most cancer cells. TRAIL-R2 is associated with a decrease in the survival rates of breast cancer patients.

Amino Acid Sequence:

00001 ALITQQDLAP QQRAAPQQKR SSPSEGLCPP GHHISEDGRD
00041 CISCKYQDQY STHWNDLLFC LRCTRCDSGE VELSPCTTTR
00081 NTVQCCEEGT FREEDSPEMC RKCRTGCPRG MVKVGDCPTW
00121 SDIECVHKE

Source: HEK 293

Species: Human

Biological Activity: ED₅₀ < 6 ng/ml, measured in a cell proliferation assay using RPMI-8226 cells in the presence of 25 ng/ml of human TRAIL.

Molecular Weight: 15 kDa, observed by reducing SDS-PAGE.

Formulation: Lyophilized after extensive dialysis against PBS.

Reconstitution: Reconstituted in ddH₂O or PBS at 100 µg/ml.

Purity: > 95% as analyzed by SDS-PAGE and HPLC.

Endotoxin Level: < 0.2 EU/µg, determined by LAL method.

Storage: Lyophilized recombinant Human TRAIL Receptor-2 remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, Human TRAIL Receptor-2 should be stable up to 1 week at 4°C or up to 2 months at -20°C.