

PRODUCT DATA SHEET



Bioworld Technology, Inc.

Recombinant TRAIL R-2, Human

Catalog Number: BK0333-1mg

Source: HEK 293

Quantity: 1mg

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.

Molecular Weight:

~15 kDa, observed by reducing SDS-PAGE.

Purity:

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

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.

Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

Lyophilized after extensive dialysis against PBS.

AA Sequence:

ALITQQDLAPQQR AAPQQRSSPSEGLCPPGH-
HISEDGRDCISCKYGDYS-
THWNDLLFCLRCTRCDSEVEL-
SPCTTTRNTVCQCEEGTFREEDSPEMCRKCR-
TGCPRGMVKVGDCTPWSIDIECVHKE

Endotoxin:

< 0.2 EU/μg, determined by LAL method.

Reconstitution:

Reconstituted in ddH₂O or PBS at 100 μg/ml.

Storage:

Lyophilized recombinant Human TRAIL Receptor-2 remains stable up to 6 months at -80 °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.

Usage:

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