



RECOMBINANT HUMAN TRAIL/APO2L

CATALOG NUMBER: GF092

LOT NUMBER:

QUANTITY: 50 µg

DESCRIPTION: Human TRAIL (TNF-Related Apoptosis Inducing Ligand), also called APO2 Ligand, is a cytotoxic protein which activates rapid apoptosis in tumor cells, but not in normal cells. TRAIL-induced apoptosis, is achieved through binding to two death-signaling receptors, DR4 and DR5. These receptors belong to the TNFR transmembrane family of proteins and contain a cytoplasmic "death domain" which activates the cell's apoptotic machinery. GF092 is a 19.6 kDa protein comprising the full-length of the TNF-like extracellular domain of TRAIL.

SOURCE: *E. coli*

PURITY: Greater than 98% by SDS-PAGE and HPLC analyses. Endotoxin level is less than 0.1 ng per µg of (1EU/µg) of TRAIL/Apo2L.

BIOLOGICAL ACTIVITY: Determined by its ability to induce apoptotic cell death in TRAIL-sensitive U343MG cells. The expected ED₅₀ for this effect is 1.0-3.0 ng/mL.

PRESENTATION: Sterile filtered, then lyophilized from 0.2 micron filter. Lyophilized from 1 x PBS.

STORAGE/HANDLING: The lyophilized protein may be stored at room temperature for a few weeks, but is best stored at -20°C. After a quick spin, reconstitute in sterile water to a concentration of 0.5-1.0 mg/mL. This solution can be diluted into other buffered solutions and stored at 4°C for 1 week or -20°C for future use. Reconstituted GF092 should be stored in undiluted aliquots at -20°C for up to 6 months. Avoid repeated freeze/thaw cycles.

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

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PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION**

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