



PRODUCT DATA SHEET

Product: TRAIL-His tag, Soluble, Human Recombinant

Cat. No.: BC-091 (20 µg)

Synonyms:

TNFSF 10, Apo-2L, CD253

Description:

Binds to human and mouse TRAIL receptors and OPG.

Format:

Liquid. Affinity purified and sterile filtered recombinant protein in 20 mM HEPES, pH 7.4, containing 300 mM NaCl, 0.01% Tween 20, 1% sucrose and 1 mM DTT. Concentration is 0.5 mg/mL.

Production:

Produced in *E. coli*. The extracellular domain of human TRAIL (aa 95-281) is fused at the N-terminus to a linker peptide and a His-tag.

Purity:

≥99% by SDS-PAGE

Endotoxin Content:

0.003 EU/µg purified protein (LAL test)

Applications:

- ED₅₀: 20 ng/mL (BJAB cells)
- Induces Apoptosis in a concentration range of 10-100 ng/mL (no cross-linking enhancer required).

Storage:

Store long term at -80°C. Aliquot to avoid freeze/thaw cycles.

References:

1. Basile J.R. (2001) The cytokines tumor necrosis factor- α (TNF- α) and TNF-related apoptosis-inducing ligand differentially modulate proliferation and apoptotic pathways in human keratinocytes expressing the human papilloma. *J. Biol. Chem.* 278:22522.
2. Plasilova M. et al. (2002) TRAIL (Apo2L) suppresses growth of primary human leukemia and myelodysplasia progenitors. *Leukemia.* 16:67.
3. Strater J. et al. (2002) TRAIL and its receptors in the colonic epithelium: a putative role in the defense of viral infections. *Gastroenterology.* 122:659.

Limitations:

For *in vitro* research use only. Not for use in diagnostics or in humans.

Warranty:

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.