



11 Park Drive, Suite 12
Boston, MA 02215

Human TRAIL / APO2 Ligand (114-281a.a.)

ORDERING INFORMATION

Catalog No: rAP-0168;

Size: 2 µg; 10 µg

Storage: <- 20° C

Synonyms:

Tumor necrosis factor ligand superfamily member 10, TNF-related apoptosis-inducing ligand, Protein TRAIL, Apo-2 ligand, Apo-2L, CD253 antigen, TL2, APO2L, TNFSF10.

Introduction:

TNF-related apoptosis-inducing ligand (TRAIL) is a ligand molecule which induces apoptosis. It is a type II transmembrane protein with homology to other members of the tumor necrosis factor family. In humans, the gene that encodes for TRAIL is located at chromosome 3q26. TRAIL binds to the death receptors, DR4 and DR5. The process of apoptosis is caspase-8-dependent. This protein preferentially induces apoptosis in transformed and tumor cells, but does not appear to kill normal cells although it is expressed at a significant level in most normal tissues.

Description:

Soluble TNF-related apoptosis-inducing ligand Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 211 amino acids (114-281) and having a molecular mass of 23 kDa.

The sTRAIL is purified by proprietary chromatographic techniques.

Source:

Escherichia Coli.

Physical Appearance:

Sterile Filtered colorless liquid.

Formulation:

20mM Tris pH-7.5, 300mM NaCl, 0.1mM DTT & 10% glycerol.

Stability:

Lyophilized APO 2 Ligand although stable at 15°C for 1 week, should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

Please prevent freeze-thaw cycles.

Purity:

Greater than 95.0% as determined by:

(a) Analysis by RP-HPLC.

(b) Analysis by SDS-PAGE.

Amino Acid Sequence:

MVRERGPQRV AAHITGTRGR SNTLSSPNSK NEKALGRKIN SWESSRSGHS
FLSNLHLRNGELVIHEKGFY YIYSQTYFRF QEEIKENTKN DKQMVQYIYK YTSYPDPILL
MKSARNSCWSKDAEYGLYSI YQGGIFELKE NDRIFVSVTN EHLIDMDHEA SFFGAFLVG

Usage:

Angio-Proteomie's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Contact & Ordering Information: Angio-Proteomie, 11 Park Drive, Suite 12, Boston, MA 02215, USA. Fax: (480) 247-4337, angioproteomie@gmail.com