



RPA139Hu01 5mg

Recombinant Tumor Necrosis Factor Related Apoptosis Inducing Ligand (TRAIL)

Organism Species: Homo sapiens (Human)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

[**PROPERTIES**]

Source: Prokaryotic expression.

Host: *E. coli*

Residues: Val114~Gly281

Tags: N-terminal His-Tag

Purity: >95%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.

Original Concentration: 200µg/mL

Applications: Positive Control; Immunogen; SDS-PAGE; WB.

(May be suitable for use in other assays to be determined by the end user.)

Predicted isoelectric point: 8.6

Predicted Molecular Mass: 19.6kDa

Accurate Molecular Mass: 19kDa as determined by SDS-PAGE reducing conditions.

[**USAGE**]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[**STORAGE AND STABILITY**]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCE]

VRERGPQ RVAAHITGTR GRSNTLSSPN SKNEKALGRK
 INSWESSRSG HSFLSNLHLR NGELVIHEKG FYYIYSQTYF RFQEEIKENT
 KNDKQMVQYI YKYTSYPDPI LLMKSARNSC WSKDAEYGLY SIYQGGIFEL
 KENDRIFVSV TNEHLIDMDH EASFFGAFV G

[IDENTIFICATION]

30TGAAGAAAGAGGTCTCAGAGGTAGCACTCACTTAACTGGACACAGGAGGAGCAAGCACTTCTCTCTCCAACTCCAGAGATGAAAGGCTCTGGGCGCAAAATAACTCTCTGGGAGTCAAGGAGTGGGCTTCACTCTCTGAGCACTTGGACTGAGGATGATGACCTGTCTCTCGTAAAGAGGTTTACTA
 V R E R G P Q R V A A H I T G T R G R S N T L S S P N S K N E K A L G R K F Y Y I Y S Q T Y F R F Q E E I K E N T
 K N D K Q M V Q Y I Y K Y T S Y P D P I L L M K S A R N S C W S K D A E Y G L Y S I Y Q G G I F E L
 K E N D R I F V S V T N E H L I D M D H E A S F F G A F V G

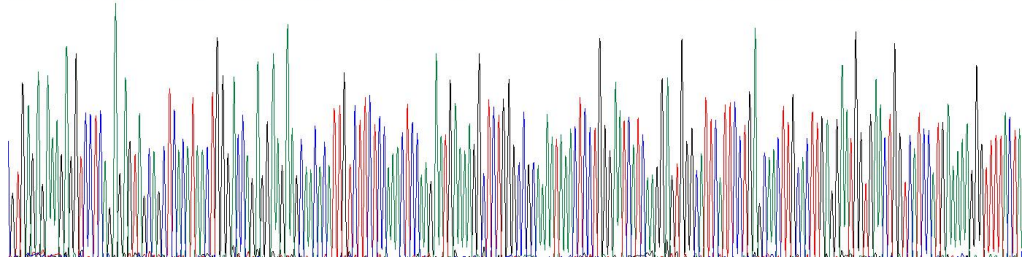


Figure 1. Gene Sequencing (Extract)

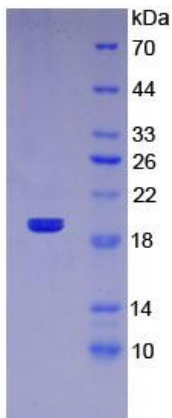


Figure 2. SDS-PAGE