RPC064Ra01 10μg

Recombinant Interleukin 24 (IL24)

Organism Species: Rattus norvegicus (Rat)

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: Gln29~Leu183

Tags: Two N-terminal Tags, His-tag and GST-tag

Tissue Specificity: Brain, Pancreas.

Subcellular Location: Secreted.

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: 200ug/mL

Applications: SDS-PAGE; WB; ELISA; IP; CoIP; Purification; Amine Reactive Labeling.

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

Predicted isoelectric point: 8.4

Predicted Molecular Mass: 48.0kDa

Accurate Molecular Mass: 48kDa 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.
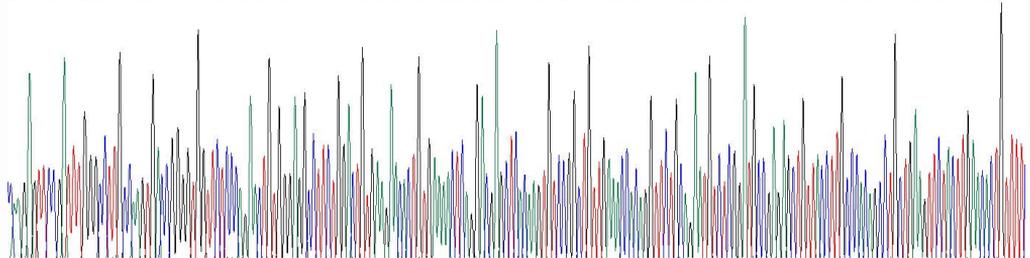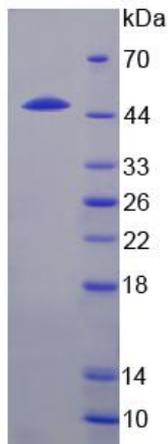
[SEQUENCE]

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WTVKNTVKTQ DELTSVRLLK PQVLQNVSDA ESCYLAHSLL KFYLNTVFKN
YHSKIVKFKV LKSFSTLANN FLVIMSKLQP SKDNAMLPIS DSARRRFLLY
HRTFKQLDIE VALAKAFGEV DILLAWMQNF YQL
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[IDENTIFICATION]

GAAGAGTTCCGATTTGGGCCTTGCCAAGTGACCGGGGTGGTTCTCCCAGACTGTGGGAGGCCTTCTGGACTGTGAAGAACACTGTGAAAACTCAGGACGAGCTCACAAGTGTCCGGCTGTTGAAACCAGGTTCTGCAGAATGTCTCGGATGCCGAGAGCTGTTAACCTTGCCCACAGCCTGCTGAAGTTCTACTTGAACACTGTTTT
Q E F R F G P C Q V T G V V L P E L W E A F W T V K N T V K T Q D E L T S V R L L K P Q V L Q N V S D A E S C Y L A H S L L K F Y L N T V F

Figure 1. Gene Sequencing (Extract)

Figure 2. SDS-PAGE