

RPB743Mi01 10µg

Recombinant Signal Transducer And Activator Of Transcription 3 (STAT3)

Organism Species: *Homo sapiens (Human)*, *Mus musculus (Mouse)*, *Rattus norvegicus (Rat)*, *Bos taurus; Bovine (Cattle)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Arg335~Trp546

Tags: N-terminal His Tag

Subcellular Location: Nucleus, Cytoplasm

Purity: > 90%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% Sarcosyl, 5%Trehalose.

Original Concentration: 80µg/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: 7.3

Predicted Molecular Mass: 25.0kDa

Accurate Molecular Mass: 27kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in ddH₂O to a concentration of 0.1-0.25 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]

RPLVIK TGVQFTTKVR
 LLVKFPELNY QLKIKVCIDK DSGDVAALRG SRKFNIILGTN TKVMNMEESN
 NGSLSAEFKH LTLREQRCGN GGRANCDASL IVTEELHLIT FETEVYHQGL
 KIDLETHSLP VVVISNICQM PNAWASILWY NMLTNNPKNV NFFTKPPIGT
 WDQVAEVLWS QFSSTTKRGL SIEQLTTLAE KLLGPGVNYS GCQITW

[IDENTIFICATION]

CGGCCTC TCGTCATCAAGACGGGCTCGG TTTAC TAC TAAAGTCAGGTTGCTGG TCAATTCCTGAGTTGAAATATCAGCTTAAAA TAAAGTGTGATTGACAAAGCTCTGGGGAGCTTGAGCTCTCAGAGGATCCCGGAAATTTAATCATCTGGGCACAAACAAAGTGATGAACATGGAAAGATCCAAAGAGT
 R P L V I K T G V Q F T T K V R L L V K F F E L N Y Q L K I K V C I D K D S G D V A A L R G S R K F N I L G T N T K V M N M E E S H N G

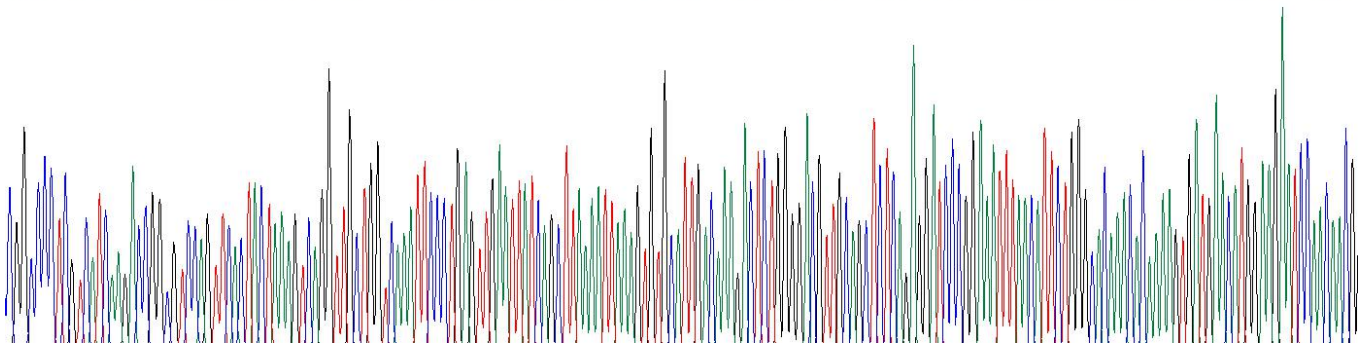
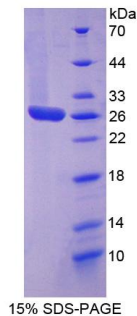


Figure. Gene Sequencing (Extract)



[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.