

RPB743Mi01 50µg

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 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*

Residuess: Arg335~Trp546

Tags: N-terminal His Tag

Tissue Specificity: Nucleus, Cytoplasm

Purity: > 90%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 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: 7.3

Predicted Molecular Mass: 25.0kDa

Accurate Molecular Mass: 27kDa 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]

```

                                RPLVIK  TGVQFTTKVR
LLVKFPELNY QLKIKVCIDK DSGDVAALRG SRKFNI LGTN TKVMNMEESN
NGSLSAEFKH LTLREQRCGN GGRANCDASL IVTEELHLIT FETEVYHQGL
KIDLETHSLP VVISNICQM PNAWASILWY NMLTNNPKNV NFFTKPPIGT
WDQVAEVL SW QFSSTTKRGL SIEQLTTLAE KLLGPGVNYS GCQITW
  
```

[IDENTIFICATION]

CGGC CCC TCG TCATCAAGACCGGG TCCG TTCACTAC TAAAGTCAGGTTGCTGG TCAAA TTCCTGAGTTGAAATTCAGCTTAAAA TTAAAGTGTGCAATTGACAAAGACTCTGGGGACGTTGCAGCTCTCAGAGGATCCGGGAAATTTAATCTCTGGGCACAAACAAAAGTGATGAACATGGGAAGATCCAAACAAAG
 R P L V I K T G V Q F T T K V R L L V K F P 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 N N G

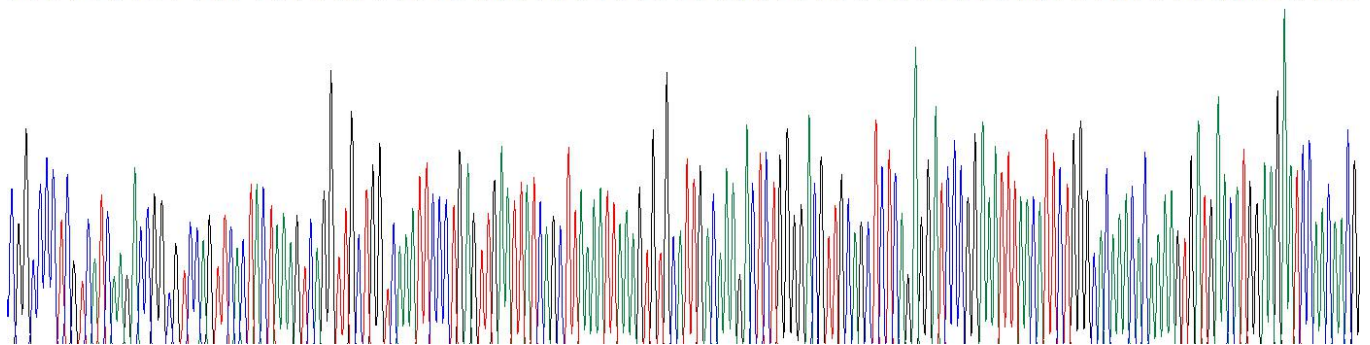
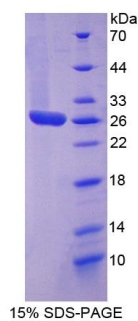


Figure. Gene Sequencing (Extract)



[IMPORTANT NOTE]

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