

RPB743Mi04 100µg

Recombinant Signal Transducer And Activator Of Transcription 3 (STAT3)

Organism Species: Multi-species

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

10th Edition (Revised in Jan, 2014)

[PROPERTIES]

Residues: Thr346~Glu552

Tags: N-terminal His-Tag

Accession: P40763

Host: *E. coli*

Subcellular Location: Cytoplasm. Nucleus.

Purity: >95%

Endotoxin Level: <1.0EU per 1µg

(determined by the LAL method).

Formulation: Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.

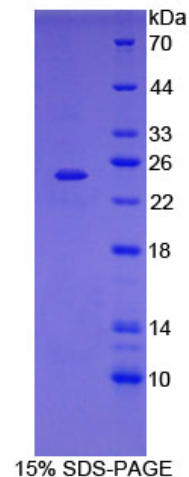
Predicted isoelectric point: 7.7

Predicted Molecular Mass: 24.8kDa

Applications: SDS-PAGE; WB; ELISA; IP.

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

Note: The residues of human STAT3 is identical in sequence to mouse, rat and bovine.



[USAGE]

Reconstitute in sterile PBS, pH7.2-pH7.4.

[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 of the target protein. 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. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCES]

The sequence of the target protein is listed below.

TTKVR LLVKFPELNY QLKIKVCIDK DSGDVAALRG SRKFNILGTN TKVMNMEESN
NGLSAEFKH LTLREQRCGN GGRANCDASL IVTEELHLIT FETEVYHQGL KIDLETHSLP
VVVISNICQM PNAWASILWY NMLTNNPKNV NFFTKPPIGT WDQVAEVLWSW QFSSTTKRGL
SIEQLTTLAE KLLGPGVNYS GCQITWAKFC KE

[REFERENCES]

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2. Lee M.M., *et al.* (2012) *J. Immunol.* 189:5266-5276.
3. Tye H., *et al.* (2012) *Cancer Cell* 22:466-478.
4. Dunkel Y., *et al.* (2012) *J. Biol. Chem.* 287:41667-41683.