YB743Mi01 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: Arg335~Trp546

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.

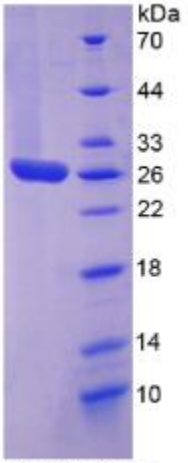
Predicted isoelectric point: 8.6

Predicted Molecular Mass:

25.1kDa

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

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



15% SDS-PAGE

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.

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

[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.