YBB743Mi05 100μg

Recombinant Signal Transducer And Activator Of Transcription 3 (STAT3)

Organism Species: Multi-species

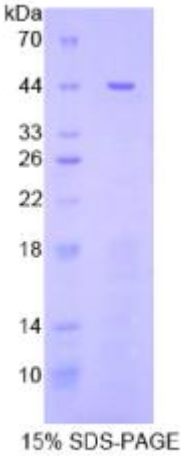
Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

10th Edition (Revised in Jan, 2014)

[PROPERTIES]



15% SDS-PAGE

Residues: Gly656~Ser768

Tags: Two N-terminal Tags, His-tag and GST-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: 5.6

Predicted Molecular Mass:

44.7kDa

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.

GYKIM DATNILVSPL VYLYPDIPKE EAFGKYCRPE SQEHPEADPG SAAPYLKTKF ICVTPTTCSN TIDLPMSPRT LDSLMQFGNN GEGAEPSAGG QFESLTFDMD LTSECATS

[REFERENCES]

1. Bu X., *et al.* (2013) Gene 512:198-205.
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.