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YB90615Mu01

Thrombin Activatable Fibrinolysis Inhibitor (TAFI)

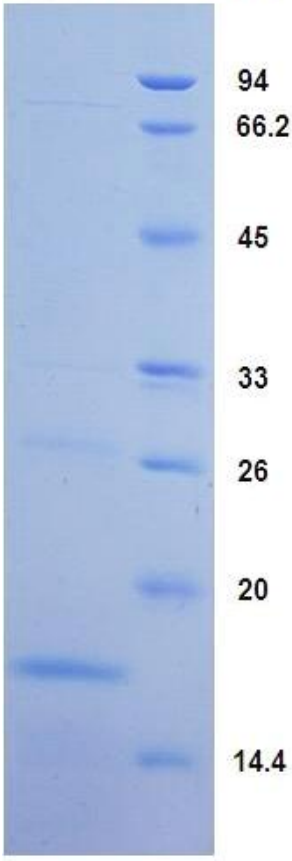
Organism: Mus musculus (Mouse)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES

3th Edition (Revised in February, 2012)



[DESCRIPTION]

Protein Names: Thrombin Activatable Fibrinolysis Inhibitor

Gene Names: TAFI, CPB2

Size: 100μg

Source: Recombinant

Expression Host: *E.coli*

Function: Cleaves C-terminal arginine or lysine residues from biologically active peptides such as kinins or anaphylatoxins in the circulation thereby regulating their activities. Down-regulates fibrinolysis by removing C-terminal lysine residues from fibrin that has already been partially degraded by plasmin.

Subcellular Location: Secreted

Tissue Specificity: Plasma; synthesized in the liver.

[PROPERTIES]

Residues: His309~Asp374 (Accession # Q9JHH6), with two N-terminal Tags, His-tag and S-tag.

Grade & Purity: >90%, 16.5 kDa as determined by SDS-PAGE reducing conditions.

Form & Buffer: Supplied as lyophilized form in PBS, pH 7.4.

Endotoxin Level: <1.0 EU per 1μg (determined by the LAL method).

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

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

Predicted Molecular Mass: 13.2 kDa

SDS-PAGE is a technique that separates proteins based on size. However, the actual band size observed may differ from the predicted; the common factors may include three terms:

1. Alternative splicing (splice variants).
2. The composition of amino acids may give the protein the different relative charge.
3. Polymerization of the target protein.

[PREPARATION]

Reconstitute in PBS.

[STORAGE AND STABILITY]

Storage: Store at 4°C for short time storage (1-2 weeks). Aliquot and store at -20°C or -80°C for long term storage. Avoid repeated freeze/thaw cycles.

Valid period: 12 months stored at -80°C.

[BACKGROUND]

The target protein is fused with two N-terminal tags, His-tag and S-tag, its sequence is listed below.

MHHHHHHSSGLVPRGSGMKETAA AKFERQHMDSPDLGTDDDDKAMADIGS EF-HS YSQQILFPYS

YNRSKSKDHE ELSLVASEAV RAIESINKNT RYTHGSGSES LYLAPGGSDD WIYD