

P91975Hu02
Tenascin C (TNC)
Organism: Homo sapiens (Human)
Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES

4th Edition (Revised in February, 2012)

[DESCRIPTION]

Protein Names: Tenascin C
Synonyms: TNC, HXB
Species: Human
Size: 100µg
Source: *Escherichia coli*-derived
Subcellular Location: Secreted.

[PROPERTIES]

Residues: Val49~Lys181 (Accession # P24821), with N-terminal His-Tag.
Grade & Purity: >97%, 16 kDa as determined by SDS-PAGE reducing conditions.
Formulation: Supplied as liquid form in Phosphate buffered saline(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: 15.8 kDa
Predicted isoelectric point: 5.7

[PREPARATION]

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 target protein is fused with one N-terminal His-tag, its sequence is listed below.

MGHHHHHSGSEF-VF NHVYNIKLPV GSQCSVDLES ASGEKDLAPP SEPSESFQEH TVDGENQIVF THRINIPRRA
CGCAAAPDVK ELLSRLEELE NLVSSLREQC TAGAGCCLQP ATGRLDTRPF CSGRGNFSTE GCGCVCEPGW K

[REFERENCES]

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3. Glumoff V., *et al.* (1994) Biochim. Biophys. Acta 1219:613-622.
4. Leahy D.J., *et al.* (1992) Science 258:987-991.
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