

Recombinant Rattus Fibronectin (FN)**Catalog #IC8037**

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

[DESCRIPTION]**Protein Names:** Fibronectin**Synonyms:** FN**Species:** Rat**Source:** Escherichia coli-derived**Subcellular Location:** Secreted, extracellular space, extracellular matrix.**[PROPERTIES]****Residues:** Ser355~Ile558 (Accession # P04937), with N-terminal His-Tag.**Grade & Purity:** >95%, 24 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: 24.7 kDa**Predicted isoelectric point:** 6.3**[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 N-terminal His-tag, its sequence is listed below.

MGHHHHHSG	S-SNGEPCVLP	FHYNGRTFYS	CTTEGRQDGH	LWCSTTSNYE
QDQKYSFCTD	HAVLVQTRGG	NSNGALCHFP	FLYSNRNYS	CTSEGRRDNM
KWCGTTQNYD	ADQKFGFCPM	AAHEEICTTN	EGVMYRIGDQ	WDKQHDLGHM
MRCTCVGNR	GQWACIPYSQ	LRDQCIVDDI	TYNVNDTFHK	RHEEGHMLNC
TCFGQGRGRW	KCDPI			

