

Native Rat Fibronectin Protein

Cat. No. Fibronectin-13R **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Rat
Source	Rat Plasma
ProteinLength	Full Length
Description	Enables mercury ion binding activity and protease binding activity. Involved in several processes, including cellular response to growth factor stimulus; cellular response to mercury ion; and cellular response to peptide. Located in basement membrane and extracellular space. Used to study diabetic angiopathy; hypertension; and renovascular hypertension. Biomarker of several diseases, including artery disease (multiple); calcium oxalate nephrolithiasis; iron deficiency anemia; membranoproliferative glomerulonephritis; and ureteral obstruction. Human ortholog(s) of this gene implicated in calcium oxalate nephrolithiasis; membranoproliferative glomerulonephritis; and spondylometaphyseal dysplasia corner fracture type. Orthologous to human FN1 (fibronectin 1).
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Solubility	Purified Rat fibronectin has a tendency to form insoluble aggregates upon reconstitution.
Purity	Greater than 95.0 % as determined by SDS-PAGE.

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Note	For Research Use Only. Not for use in diagnostic procedures.
Storage	Lyophilized Rat Fibronectin although stable at room temperature for 1 week, should be stored desiccated below -18 centigrade. Upon reconstitution Fibronectin should be stored at 4 centigrade between 2-7 days and for future use below -18 centigrade.
Storage Buffer	The Rat Fibronectin was lyophilized from a concentrated 1 mg/mL solution containing 20mM Tris Cl pH-7.5.

GENE INFORMATION

Gene Name	Fn1 fibronectin 1 [Rattus norvegicus]
Official Symbol	Fn1
Synonyms	FN1; fibronectin 1; fibronectin; FN; fn-1; FIBNEC;
Gene ID	25661
mRNA Refseq	NM_019143
Protein Refseq	NP_062016
UniProt ID	P04937

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