

Recombinant Human NovoNectin

Catalog #	EPT094
Expression Host	E.coli
DESCRIPTION	Recombinant Human Fibronectin Fragment is
	produced by our E.coli expression system and the
	target gene encoding
	Pro1270-Ser1546&Ala1721-Thr2016 is expressed.
Accession	P02751
Synonyms	NovoNectin; Fibronectin; FN; Cold-insoluble globulin;
	CIG; FN; Fibronectin 1
Mol Mass	62.7 KDa
AP Mol Mass	60-80 KDa, reducing conditions
Purity	Greater than 95% as determined by reducing
	SDS-PAGE.
Endotoxin	Less than 0.001 ng/ μ g (0.01 EU/ μ g) as determined by
	LAL test.
FORMULATION	Lyophilized from a 0.2 μm filtered solution of 12.5 mM
	Sodium Citrate, 1.25% Sucrose, pH 5.5.
RECONSTITUTION	Always centrifuge tubes before opening.Do not mix by



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vortex or pipetting.

It is not recommended to reconstitute to a concentration less than 100µg/ml.

Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SHIPPING The product is shipped at ambient temperature.Upon receipt, store it immediately at the temperature listed below.

STORAGELyophilized protein should be stored at < -20 ° C,
though stable at room temperature for 3 weeks.
Reconstituted protein solution can be stored at 4-7 °C
for 2-7 days.

Aliquots of reconstituted samples are stable at < -20° C for 3 months.

BACKGROUNDFibronectin1(FN1) is a secreted protein and contains12fibronectin type-I domains,fibronectin type-IIdomainsand16domains.Recombinant human fibronectin fragment, isa protein of ~63 kDa containing a central cell-bindingdomain, a high affinity heparin-binding domain II,andCS1 site within the alternatively spliced III CS region of



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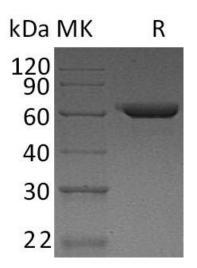
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human fibronectin. Cells bind to a VLA-4 ligand, a CS-I site, and a VLA-5 ligand, a cell attachment domain, and virus vectors binds to a heparin binding domain II, which co-locates the cell and the virus vector on NovoNectin. This process enhances the density of both cells and vectors, and facilitates the gene transduction in the result.



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SDS-PAGE
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