Recombinant Human NovoNectin

Catalog No : PMK2191
Known As: NovoNectin; Fibronectin; FN; Cold-insoluble globulin; CIG; FN; Fibronectin 1

PROPERTIES

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
Formulation	Lyophilized from a 0.2 μm filtered solution of 12.5 mM Citric acid, 1.25% Sucrose, 0.1% Tween80, pH 5.5 .
Size	10μg/50μg/500μg/1mg
Purity	> 95%
Endotoxin	< 0.01 EU/μg as determined by LAL test.
Predicted Mol Mass	62.7 KDa
Apparent Mol Mass	60-80 KDa, reducing conditions
Reconstitution	Always centrifuge tubes before opening.Do not mix by 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.
Storage	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
Background	Fibronectin1(FN1) is a secreted protein and contains 12 fibronectin type-I domains, fibronectin type-II domains and 16 fibronectin type-III domains. Recombinant human fibronectin fragment, is a protein of ~63 kDa containing a central cell-binding domain, a high affinity heparin-binding domain II,and CS1 site within the alternatively spliced III CS region of 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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