

Recombinant Human Fibronectin protein (GST,His tag)



Catalog Number:PDEH100409

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms	Fibronectin;FN1;CIG;ED-B;FINC;FN;FNZ;GFND;GFND2;LETS;MSF
Species	Human
Expression Host	E.coli
Sequence	Gln 32-Arg 230
Accession	P02751
Calculated Molecular Weight	46.8 kDa
Observed molecular weight	50 kDa
Tag	N-GST & C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Background

Fibronectin is a high-molecular weight glycoprotein of the extracellular matrix that binds to membrane-spanning receptor proteins called integrins. Similar to integrins; fibronectin binds extracellular matrix components such as collagen; fibrin; and heparan sulfate proteoglycans. Fibronectin plays a major role in cell adhesion; growth; migration; and differentiation; and it is important for processes such as wound healing and embryonic development. Altered fibronectin expression; degradation; and organization has been associated with a number of pathologies; including cancer and fibrosis. Anastellin binds fibronectin and induces fibril formation. This fibronectin polymer; named superfibronectin; exhibits enhanced adhesive properties. Both anastellin and superfibronectin inhibit tumor growth; angiogenesis and metastasis. Anastellin activates p38 MAPK and inhibits lysophospholipid signaling.

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