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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

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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Toll-free: 1-888-852-8623

Web: www.elabscience.com

Tel: 1-832-243-6086

Email: techsupport@elabscience.com

Fax: 1-832-243-6017