

## F2

### Native Human Beta-Thrombin

|                                 |  |                  |              |
|---------------------------------|--|------------------|--------------|
| <b>Catalog No.</b>              | CRB134B<br>CRB134C   | <b>Quantity:</b> | 1 mg<br>2 mg |
| <b>Alternate Names:</b>         | Prothrombin, Coagulation factor II   |                  |              |
| <b>Description:</b>             | Native Human Beta-Thrombin is prepared from purified $\alpha$ -thrombin by limited proteolysis with TPCK-treated trypsin. Beta-thrombin is generated by cleavage of the B-chain at the Arg106-Tyr107 bond. |                  |              |
| <b>UniProt ID:</b>              | P00734   |                  |              |
| <b>Gene ID:</b>                 | 2147   |                  |              |
| <b>Source:</b>                  | Human plasma   |                  |              |
| <b>Molecular Weight:</b>        | 35.4 kDa   |                  |              |
| <b>Formulation:</b>             | Liquid in 0.1 M NaH <sub>2</sub> PO <sub>4</sub> , 0.3 M NaCl, pH 6.5  |                  |              |
| <b>Purity:</b>                  | > 95% SDS-PAGE analysis  |                  |              |
| <b>Concentration:</b>           | $\geq 1.0$ mg/ml   |                  |              |
| <b>Extinction Coefficient:</b>  | $E^{0.1\%}_{280\text{nm}} = 1.83$  |                  |              |
| <b>Specific Activity:</b>       | Determined using a fibrinogen clotting assay.  |                  |              |
| <b>Storage &amp; Stability:</b> | Store at -80°C for up to 1 year. Upon initial thaw, prepare working aliquots and store at -80°C. <b>Avoid repeated freeze-thaw cycles.</b>   |                  |              |
| <b>Certification:</b>           | Purified from Human Plasma that was tested and found negative for HIV-1/2, HIV-1 antigen(s), HBsAg, STS, antiHCV, anti-HBcore and anti-HTLV I & II.  |                  |              |

**NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**



**Cell Sciences®**  
65 Parker Street  
Unit 11  
Newburyport, MA 01950

Toll Free: 888-769-1246  
Phone: 978-572-1070  
Fax: 978-992-0298

E-mail: [info@cellsciences.com](mailto:info@cellsciences.com)  
Website: [www.cellsciences.com](http://www.cellsciences.com)