



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### F7 (Human) Recombinant Protein (P01)

**Catalog Number:** H00002155-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human F7 full-length ORF ( NP\_062562.1, 1 a.a. - 444 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

```
MVSQALRLLCLLLGLQGCLAAVFVTQEEAHGVLHRRR
RANAFLEELRPGSLERECKEEQCSFEEAREIFKDAERT
KLFWISYSDGDQCASSPCQNGGCKDQLQSYICFCLP
AFEGRNCETHKDDQLICVNENGGCEQYCSHTGTRK
SCRCHEGYSLLDGVSCTPTVEYPCGKIPILEKRNASK
PQGRIVGGKVCPCGECWQVLLLVNGAQLCGGTLINT
IWWWVSAAHCFDKIKNWRNLI AVLGEHDLSEHDGDEQS
RRVAQVIIPSTYVPGTTNHDIALRLHQPVVLTDHVVPL
CLPERTFSERTLAFVRFSLVSGWGQLLDRGATALELM
VLNVPRLMTQDCLQQSRKVGDSPNITEYMFCAGYSD
GSKDSCKGDSGGPHATHYRGTWYLTGIVSWGQGCA
TVGHFGVYTRVSQYIEWLQKLMRSEPRPGVLLRAPFP
```

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 75.7

**Applications:** AP, Array, ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**Storage Buffer:** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 2155

**Gene Symbol:** F7

**Gene Alias:** -

**Gene Summary:** This gene encodes coagulation factor VII which is a vitamin K-dependent factor essential for hemostasis. This factor circulates in the blood in a zymogen form, and is converted to an active form by either factor IXa, factor Xa, factor XIIa, or thrombin by minor proteolysis. Upon activation of the factor VII, a heavy chain containing a catalytic domain and a light chain containing 2 EGF-like domains are generated, and two chains are held together by a disulfide bond. In the presence of factor III and calcium ions, the activated factor then further activates the coagulation cascade by converting factor IX to factor IXa and/or factor X to factor Xa. Alternative splicing of this gene results in 2 transcripts. Defects in this gene can cause coagulopathy. [provided by RefSeq]