



# 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

### F10 (Human) Recombinant Protein (P01)

**Catalog Number:** H00002159-P01

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

**Product Description:** Human F10 full-length ORF (AAH46125, 32 a.a. - 488 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

NNILARVTRANSFLEEMKKGHLERECMEETCSYEEAR  
EVFEDSDKTNEFWNKYKDGDCQETSPCQNQGKCKD  
GLGEYTCTCLEGFEGKNCELFRKLCSLDNGDCDQFC  
HEEQNSVVCSCARGYTLADNGKACIPTGPYPCGKQTL  
ERRKRSVAQATSSSGEAPDSITWKPYDAADLDPTENP  
FDLLDFNQTQPERGDNNLTRIVGGQECKDGECPWQA  
LLINEENEGFCGGTILSEFYILTAACHLYQAKRFKVRVG  
DRNTEQEEGGEAVHEVEVVIKHNRFTKETYDFDIAVLR  
LKTPITFRMNVAPACLPERDWAESTLMTQKTGIVSGFG  
RTHEKGRQSTRKMLEVPYVDRNSCKLSSSFIITQNMF  
CAGYDTKQEDACQGDSGGPHVTRFKDITYFVTGIVSW  
GEGCARKGKYGIYTKVTAFLKWIDRSMKTRGLPKAKS  
HAPEVITSSPLK

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

**Theoretical MW (kDa):** 76.01

**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:** 2159

**Gene Symbol:** F10

**Gene Alias:** FX, FXA

**Gene Summary:** This gene encodes the vitamin K-dependent coagulation factor X of the blood coagulation cascade. This factor undergoes multiple processing steps before its preproprotein is converted to a mature two-chain form by the excision of the tripeptide RKR. Two chains of the factor are held together by 1 or more disulfide bonds; the light chain contains 2 EGF-like domains, while the heavy chain contains the catalytic domain which is structurally homologous to those of the other hemostatic serine proteases. The mature factor is activated by the cleavage of the activation peptide by factor IXa (in the intrinsic pathway), or by factor VIIa (in the extrinsic pathway). The activated factor then converts prothrombin to thrombin in the presence of factor Va, Ca<sup>2+</sup>, and phospholipid during blood clotting. Mutations of this gene result in factor X deficiency, a hemorrhagic condition of variable severity. [provided by RefSeq]