



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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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](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

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

## F12 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # : H00002161-T01

規格 : [ 100 uL ]

[List All](#)

### Specification

**Transfected Cell Line:** 293T

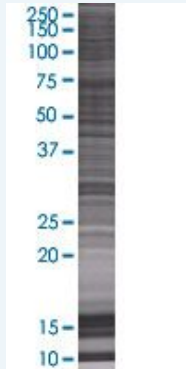
**Plasmid:** pCMV-F12 full-length

**Host:** Human

**Theoretical MW (kDa):** 33.11

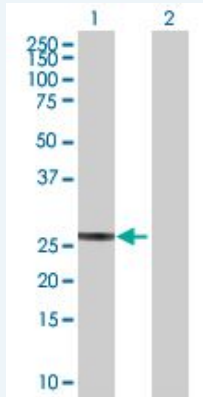
**Quality Control Testing:** Transient overexpression cell lysate was tested with Anti-F12 antibody (H00002161-B01) by Western Blots.

#### SDS-PAGE Gel



F12 transfected lysate.

#### Western Blot



Lane 1: F12 transfected lysate ( 33.11 KDa)

Lane 2: Non-transfected lysate.

**Storage Buffer:** 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

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

**MSDS:**  [Download](#)

### Applications

## Western Blot

### Gene Information

Entrez GeneID: [2161](#)

GeneBank [BC012390.1](#)  
Accession#:

Protein [AAH12390.1](#)  
Accession#:

Gene Name: F12

Gene Alias: HAE3,HAEX,HAF

Gene Description: coagulation factor XII (Hageman factor)

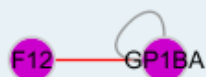
Omim ID: [234000](#), [610618](#), [610619](#)

Gene Ontology: [Hyperlink](#)

**Gene Summary:** This gene encodes coagulation factor XII which circulates in blood as a zymogen. This single chain zymogen is converted to a two-chain serine protease with an heavy chain (alpha-factor XIIa) and a light chain. The heavy chain contains two fibronectin-type domains, two epidermal growth factor (EGF)-like domains, a kringle domain and a proline-rich domain, whereas the light chain contains only a catalytic domain. On activation, further cleavages takes place in the heavy chain, resulting in the production of beta-factor XIIa light chain and the alpha-factor XIIa light chain becomes beta-factor XIIa heavy chain. Prekallikrein is cleaved by factor XII to form kallikrein, which then cleaves factor XII first to alpha-factor XIIa and then to beta-factor XIIa. The active factor XIIa participates in the initiation of blood coagulation, fibrinolysis, and the generation of bradykinin and angiotensin. It activates coagulation factors VII and XI. Defects in this gene do not cause any clinical symptoms and the sole effect is that whole-blood clotting time is prolonged. [provided by RefSeq]

Other Designations: Hageman factor,coagulation factor XII

### Interactome



## Gene Pathway

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[Complement and coagulation cascades](#)

## Related Disease

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[Abortion, Habitual](#) [Acute Disease](#) [Angina, Unstable](#) [Atherosclerosis](#)  
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