



# 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

### DFFB (Human) Recombinant Protein (P01)

**Catalog Number:** H00001677-P01

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

**Product Description:** Human DFFB full-length ORF ( NP\_004393.1, 1 a.a. - 338 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MLQKPKSVKLRALRSPRKFGVAGRSCQEVLRLKGC LRF  
QLPERGSRLCLYEDGTELTEDYFPSVDPNAELVLLTLG  
QAWQGYVSDIRRFLSAFHEPQVGLIQAAQQLLCDEQA  
PQRQRLLADLLHNVSQNIAAETRAEDPPWFEGLESRF  
QSKSGYLRYSCESRIRSYLREVSSYPSTVGAEAEQEEF  
LRVLGSMCQRLRSMQYNGSYFDRGAKGGSRLCTPEG  
WFSCQGPFDMDSCLSRHSINPYSNRESRILFSTWNL D  
HIIKRTIIP TLVEAIKEQDGREVDWEYFYGLLFTSEN L  
KLVHIVCHKKTTHKLNCDPSRIYKQTRLRKQPVKRK  
Q

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

**Theoretical MW (kDa):** 65.5

**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:** 1677

**Gene Symbol:** DFFB

**Gene Alias:** CAD, CPAN, DFF-40, DFF2, DFF40

**Gene Summary:** Apoptosis is a cell death process that removes toxic and/or useless cells during mammalian development. The apoptotic process is accompanied by shrinkage and fragmentation of the cells and nuclei and degradation of the chromosomal DNA into nucleosomal units. DNA fragmentation factor (DFF) is a heterodimeric protein of 40-kD (DFFB) and 45-kD (DFFA) subunits. DFFA is the substrate for caspase-3 and triggers DNA fragmentation during apoptosis. DFF becomes activated when DFFA is cleaved by caspase-3. The cleaved fragments of DFFA dissociate from DFFB, the active component of DFF. DFFB has been found to trigger both DNA fragmentation and chromatin condensation during apoptosis. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene but the biological validity of these variants has not been determined. [provided by RefSeq]