



# 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

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) 

## Datasheet

### DFFA (Human) Recombinant Protein (P01)

**Catalog Number:** H00001676-P01

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

**Product Description:** Human DFFA full-length ORF ( NP\_004392.1, 1 a.a. - 331 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MEVTGDAGVPESGEIRTLKPCLLRRNYSREQHGVAAS  
CLEDLRSKACDILAIKSLTPVTLVLAEDGTIVDDDDYF  
LCLPSNTKFVALASNEKWAYNNSDGGTAWISQESFDV  
DETDSGAGLKWKVNARQLKEDLSSIILLSEEDLQMLVD  
APCSDLAQELRQSCATVQRLQHTLQQVLDQREEVRO  
SKQLLQLYLQALEKEGSLLSKQEESKAAFGEVDAVD  
TGISRETSSDVALASHILTALREKQAPESLSSQDLELV  
TKEDPKALAVALNWDIKKTETVQEACERELALRLQQT  
QSLHSLRSISASKASPPGDLQNPKRARQDPT

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

**Theoretical MW (kDa):** 62.9

**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:** 1676

**Gene Symbol:** DFFA

**Gene Alias:** DFF-45, DFF1, ICAD

**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. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq]