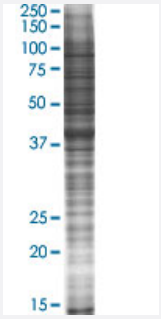
DFFA 293T Cell Transient Overexpression Lysate(Denatured)

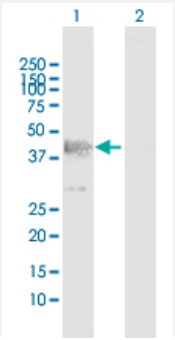
Catalog # H00001676-T02 Size 100 uL

Applications



SDS-PAGE Gel

DFFA transfected lysate.



Western Blot

Lane 1: DFFA transfected lysate (36.5 KDa)
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-DFFA full-length
Host	Human
Theoretical MW (kDa)	36.5
Quality Control Testing	Transient overexpression cell lysate was tested with Anti-DFFA antibody (H00001676-D01) by Western Blots. SDS-PAGE Gel DFFA transfected lysate. Western Blot Lane 1: DFFA transfected lysate (36.5 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.

Applications

- Western Blot

Gene Info — DFFA

Entrez GeneID	1676
GeneBank Accession#	NM_004401
Protein Accession#	NP_004392.1
Gene Name	DFFA
Gene Alias	DFF-45, DFF1, ICAD
Gene Description	DNA fragmentation factor, 45kDa, alpha polypeptide
Omim ID	601882
Gene Ontology	Hyperlink
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
Other Designations	DFF45|DNA fragmentation factor, 45 kD, alpha polypeptide|DNA fragmentation factor, 45 kD, alpha subunit|OTTHUMP00000001903|OTTHUMP00000001904

Pathway

- Apoptosis

Disease

- Celiac Disease
- Genetic Predisposition to Disease