

Recombinant Human DFFB Protein, GST-tagged

Cat. No. DFFB-2557H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DFFB full-length ORF (NP_004393.1, 1 a.a. - 338 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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 some of these variants has not been determined. [provided by RefSeq, Sep 2013]
Molecular Mass	65.5 kDa
AA Sequence	MLQKPKSVKLRALRSPRKFGVAGRSCQEVLRKGCLRFQLPERGSRLCLYEDGTELT EDYFPSVPDNAELVLLTLGQAWQGYVSDIRFLSAFHEPQVGLIQAQQLLCDEQAP QRQRLADLLHNVSQNIAAETRAEDPPWFEGLESRFQSKSGYLRYSCESRIRSYLRE

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VSSYPSTVGAEAEQEEFLRVLGSMCQRLRSMQYNGSYFDRGAKGGSRLCTPEGWF
SCQGPFDMDSCLSRHSINPYSNRESRILFSTWNLDHIIKKRTIIPTLVEAIKEQDGRE
VDWEYFYGLLFTSENCLKLVHIVCHKKTTHKLNCDPSRIYKPQTRLKRKQPVRKRQ

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

DFFB DNA fragmentation factor, 40kDa, beta polypeptide (caspase-activated DNase)
[Homo sapiens]

Official Symbol

DFFB

Synonyms

DFFB; DNA fragmentation factor, 40kDa, beta polypeptide (caspase-activated DNase); DNA fragmentation factor subunit beta; CAD; CPAN; DFF 40; DFF40; caspase-activated DNase; caspase-activated nuclease; caspase-activated deoxyribonuclease; DNA fragmentation factor 40 kDa subunit; DFF2; DFF-40;

Gene ID

1677

mRNA Refseq

NM_004402

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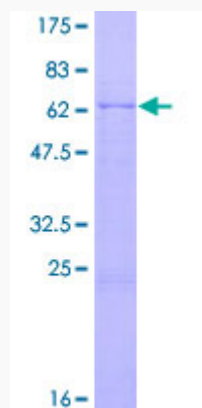
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Protein Refseq NP_004393

MIM 601883

UniProt ID O76075

**Quality Control
Testing:**



12.5% SDS-PAGE Stained with Coomassie Blue.

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