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 EDYFPSVPDNAELVLLTLGQAWQGYVSDIRRFLSAFHEPQVGLIQAAQQLLCDEQAP QRQRLLADLLHNVSQNIAAETRAEDPPWFEGLESRFQSKSGYLRYSCESRIRSYLRE

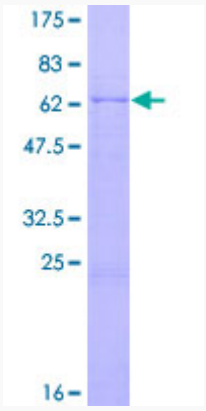
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	VSSYPSTVGAEAQEEFLRVLGSMCQRLRSMQYNGSYFDRGAKGGSRLCTPEGWF SCQGPFDMDSCLSRHSINPYSNRESRILFSTWNLDHIIEKKRTIIPTLVEAIKEQDGRE VDWEYFYGLLFTSENLKLVHIVCHKKTTHKLNCDPSRIYKPQTRLKRKQPVRKRQ
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) 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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Protein Refseq	NP_004393
MIM	601883
UniProt ID	O76075
Quality Control Testing:	 12.5% SDS-PAGE Stained with Coomassie Blue.

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