

Recombinant Human DFFB Protein, Q201-Q338, C-His tagged

Cat. No. DFFB-41H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DNA fragmentation factor subunit beta/DFFB is produced by E. coli. The target gene encoding Q201-Q338 is expressed with a His tag at the C-terminus.
Species	Human
Source	E.coli
Protein Length	Q201-Q338
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.
Stability	12 months from date of despatch
Storage	Store at ≤ -70 centigrade, stable for 6 months after receipt. Store at ≤ -70 centigrade,

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stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.

Storage Buffer Supplied as a 0.2 µm filtered solution of PBS, 300mM NaCl, 10%Glycerol, pH7.4

GENE INFORMATION

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

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

Protein Refseq NP_004393

MIM 601883

UniProt ID O76075

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