

Recombinant Human DFFA

Catalog No: #GP10496



Package Size: #GP10496-1 100ug

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Description

Product Name	Recombinant Human DFFA
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to N terminal 269 amino acids of human DFFA
Target Name	DNA fragmentation factor, 45kDa, alpha polypeptide
Other Names	DFF1; ICAD; DFF-45
Accession No.	Swissprot:O00273Gene Accession:BC007721
Uniprot	O00273
GeneID	1676;
Storage	-20~-80°C, pH 7.6 PBS

Background

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.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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