



Recombinant Protein Technical Manual

Recombinant Human DFFA Protein (His Tag)

RPES2441

Product Data:

Product SKU: RPES2441

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: O00273

Protein Information:

Molecular Mass: 38.7 kDa

AP Molecular Mass: 42 kDa

Tag: N-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: DNA Fragmentation Factor Subunit Alpha; DNA Fragmentation Factor 45 kDa Subunit; DFF-45; Inhibitor of CAD; ICAD; DFFA; DFF1; DFF45; H13

Immunogen Information:

Sequence: Met 1-Thr331

Background:

DNA Fragmentation Factor Subunit Alpha (DFFA). DFFA exists as a heterodimer (DFF) with DFFB. DFF is activated once DFFA is cleaved by Caspase-3. The cleaved fragments of DFFA detach from DFFB (the active component of DFF), which in turn triggers DNA fragmentation as well as chromatin condensation during apoptosis. A reduced level of DFFA detected in ovarian endometriosis may be a part of an apoptosis-resistant mechanism enhancing the disease progression.