

DFF45 Protein, Human, Recombinant (His)

General Information

Synonyms:	DNA Fragmentation Factor Subunit Alpha;DFF45;H13;ICAD;DFFA;DFF1;DNA Fragmentation Factor Subunit α ;DNA Fragmentation Factor 45 kDa Subunit;DFF-45;Inhibitor of CAD
Protein Construction:	Met1-Thr331
Species:	Human
Expression Host:	E. coli
Accession:	AAH07721.1
Molecular Weight:	40-50 KDa (reducing condition)
AA Sequence:	Met1-Thr331

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 85% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/ μ g (1 EU/ μ g) as determined by LAL test.
Formulation:	Supplied as a 0.2 μ m filtered solution of PBS, pH 7.4.

Preparation and Storage

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months.

Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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