

**Product Name: Recombinant Human DFF45 (N-6His)**  
**Catalog #: PEH0532**



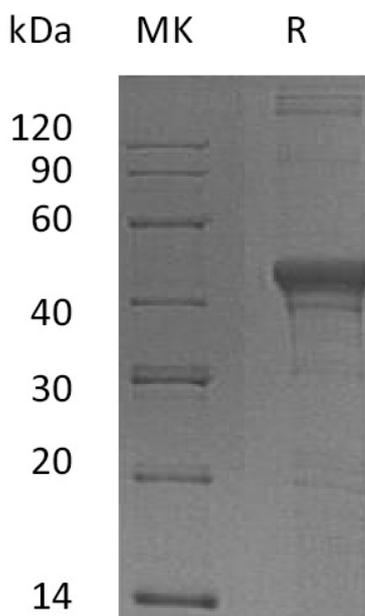
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## Summary

<b>Name</b>	DFF45/DFFA/ICAD
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</b>	Recombinant Human DNA Fragmentation Factor Subunit Alpha is produced by our E.coli expression system and the target gene encoding Met1-Thr331 is expressed with a 6His tag at the N-terminus.
<b>Accession #</b>	AAH07721.1
<b>Host</b>	E.coli
<b>Species</b>	Human
<b>Predicted Molecular Mass</b>	38.7 KDa
<b>Formulation</b>	Supplied as a 0.2 μm filtered solution of PBS, pH 7.4.
<b>Shipping</b>	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
<b>Reconstitution</b>	

## SDS-PAGE image

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### **Alternative Names**

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

### **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.

### **Note**

For Research Use Only , Not for Diagnostic Use.