Recombinant Human APAF1 protein, GST-tagged

Cat. No. APAF1-665H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human APAF1 partial ORF (NP_037361, 1138 a.a. - 1237 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes a cytoplasmic protein that initiates apoptosis. This protein contains several copies of the WD-40 domain, a caspase recruitment domain (CARD), and an ATPase domain (NB-ARC). Upon binding cytochrome c and dATP, this protein forms an oligomeric apoptosome. The apoptosome binds and cleaves caspase 9 preproprotein, releasing its mature, activated form. Activated caspase 9 stimulates the subsequent caspase cascade that commits the cell to apoptosis. Alternative splicing results in several transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]
Molecular Mass	36.85 kDa
AA Sequence	GEIRIWNVSNGELLHLCAPLSEEGAATHGGWVTDLCFSPDGKMLISAGGYIKWWNV VTGESSQTFYTNGTNLKKIHVSPDFKTYVTVDNLGILYILQTLE
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.

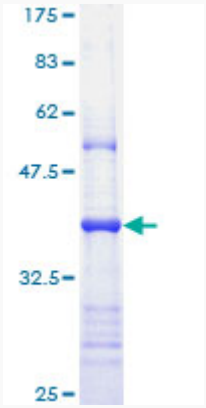
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Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	APAF1 apoptotic peptidase activating factor 1 [Homo sapiens]
Official Symbol	APAF1
Synonyms	APAF1; apoptotic peptidase activating factor 1; apoptotic peptidase activating factor , apoptotic protease activating factor; apoptotic protease-activating factor 1; APAF 1; CED4; APAF-1; DKFZp781B1145;
Gene ID	317
mRNA Refseq	NM_001160
Protein Refseq	NP_001151
MIM	602233
UniProt ID	O14727

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12.5% SDS-PAGE Stained with Coomassie Blue.

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