

Caspase Activated DNase (CAD) Recombinant Protein | CAD recombinant protein

Recombinant Caspase Activated DNase (CAD)

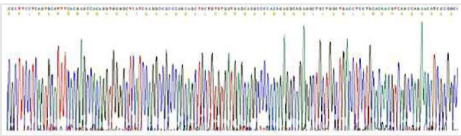
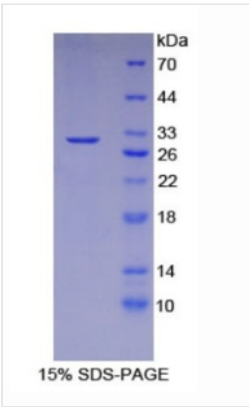
CATALOG # AAA20324	HOST E.coli	APPLICATIONS SDS-Page, Western Blot
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PRODUCT SYNONYMS

Caspase Activated DNase (CAD); Recombinant Caspase Activated DNase (CAD); CAD recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	> 95%
Form/Format	Freeze-dried powder; PBS, pH7.4, containing 0.01% SKL, 5% Trehalose .
Concentration	400ug/mL (varies by lot)
Applicable Applications for CAD recombinant protein	Positive Control, Immunogen, SDS-PAGE, WB (Western Blot)
Application Notes	(May be suitable for use in other assays to be determined by the end user.)
Source	Prokaryotic expression
Residues	Arg87~Lys323
Tags	N-terminal His Tag
Subcellular Location	Nucleus, Cytoplasm
Isoelectric point	Predicted: 8.4
Reconstitute	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.



Gene Sequencing (Extract)

SDS-PAGE

QAAQQLLCDE

QAPQRQLLA

DLLHNVSQNI

AAETRAEDPP

WFEGLSRFQ

SKSGYLRYS

ESRIRSYLRE

VSSYPSTVGA

EAQEEFLRVL

GSMCQRLRSM

QYNGSYFDRG

AKGGSRLCTP

EGWFSQGP

DMDSCLSRHS

INPYSNRESR

ILFSTWNLDH

IIEKKRTIIP

TLVEAIKEQD

GREVDWEYFY

GLLFTSENLK

LVHIVCHKKT

THKLNCDPSR

IYK

RFLS

AFHEPQVGLI

Sequence Information

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758150
NCBI GeneID	1677
NCBI Accession #	NP_004393.1
NCBI GenBank Nucleotide #	NM_004402.3
UniProt Accession #	O76075; O60521; Q5SR22; Q9BYI4; Q9BYI5; Q9BYI6
Molecular Weight	Predicted Molecular Mass: 31.1kDa Accurate Molecular Mass: 29kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	DNA fragmentation factor subunit beta isoform 2
NCBI Official Synonym Full Names	DNA fragmentation factor, 40kDa, beta polypeptide (caspase-activated DNase)
NCBI Official Symbol	DFFB
NCBI Official Synonym Symbols	CAD; CPAN; DFF2; DFF40; DFF-40
NCBI Protein Information	DNA fragmentation factor subunit beta; caspase-activated DNase; caspase-activated nuclease; caspase-activated deoxyribonuclease; DNA fragmentation factor 40 kDa subunit
UniProt Protein Name	DNA fragmentation factor subunit beta
UniProt Gene Name	DFFB
UniProt Synonym Gene Names	CAD; DFF2; DFF40; CAD; Caspase-activated DNase; CPAN; DFF-40
UniProt Entry Name	DFFB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.