

# Recombinant human DEDD protein

Catalog Number: ATGP1945

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-318aa

### UniProt No.

O75618

### NCBI Accession No.

NP\_127491

### Alternative Names

Death effector domain-containing protein, CASP8IP1, DEDD1, DEFT, FLDED1, KE05

## PRODUCT SPECIFICATION

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### Molecular Weight

38.9 kDa (338aa)

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

### Purity

> 85% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE, Denatured

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

Death effector domain-containing protein, also known as DEDD, is a cytoplasmic protein. It translocates to the nucleus during CD95-mediated apoptosis, where it localizes to nucleoli-like structures, activates caspase-6 and specifically inhibits RNA polymerase I-dependent transcription. The cell death activity of DEDD relates to its nuclear localization. DEDD is widely expressed in a variety of tissues, with highest levels in the testis. Overexpression of this gene was shown to induce weak apoptosis. Recombinant human DEDD protein, fused to His-tag at N-terminus, was expressed in E. coli.

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## Amino acid Sequence

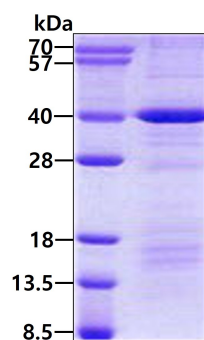
<MGSSHHHHH SSGLVPRGSH> MAGLKRRASQ VWPEEHGEQE HGLYSLHRMF DIVGTHLTHR DVRVLSFLFV  
DVIDDHERGL IRNGRDFLLA LERQGRCDDES NFRQVLQLL IITRHDLLPY VTLKRRRAVC PDLVDKYLEE TSIRYVTPRA  
LSDPEPRPPQ PSKTVPPHYP VVCCPTSGPQ MCSKRPARGR ATLGSRKRR KSVTPDPKEK QTCDIRLRVR AEYCQHETAL  
QGNVFSNKQD PLERQFERFN QANTILKSRD LGSIICDIKF SELTYLDAFW RDYINGSLE ALKGVFITDS LKQAVGHEAI  
KLLVNVDEED YELGRQKLLR NLMLQALP

## General References

Stegh A H., et al. (1998) EMBO J. 17:5974-5986.  
Schickling O., et al. (2001) Cell Death Differ. 8:1157-1168.

## DATA

### SDS-PAGE



3 $\mu$ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.