

# Recombinant human DENR protein

Catalog Number: ATGP1204

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-198aa

### UniProt No.

O43583

### NCBI Accession No.

NP\_003668

### Alternative Names

Density-regulated protein, DRP, DRP1, SMAP-3

## PRODUCT SPECIFICATION

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### Molecular Weight

24.2 kDa (218aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 2mM DTT, 0.15M NaCl.

### Purity

> 85% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### 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

DENR may be involved in the translation of target mRNAs by scanning and recognition of the initiation codon. This protein plays a role in the modulation of the translational profile of a subset of cancer-related mRNAs when recruited to the translational initiation complex by the oncogene MCTS1. Recombinant human DENR protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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## Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH> MAADISESSG ADCKGDPRNS AKLDADYPLR VLYCGVCSLP TEYCEYMPDV  
AKCRQWLEKN FPNEFAKLTV ENSPKQEAGI SEGQGTAGEE EEKKKQKRGG RGQIKQKKKT VPQKVTIAKI PRAKKKYVTR  
VCGLATFEID LKEAQRFFAQ KFSCGASVTG EDEIIIQGDF TDDIIDVIQE KWPEVDDDSI EDLGEVKK

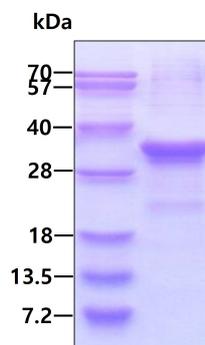
## General References

Deyo JE., et al. (1998) DNA Cell Biol. 17(5):437-47.  
Oh JJ., et al. (1999) Nucleic Acids Res. 27(20):4008-17.

## DATA

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### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.