

Recombinant Human DENR, His-tagged

Cat. No. DENR-3643H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human DENR protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques (1-198 aa).
Species	Human
Source	Human
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.
Form	Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 20% glycerol, 2mM DTT, 0.15M NaCl.
Molecular Weight	24.3 kDa (218aa), confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)
Purity	> 85 % by SDS - PAGE
Concentration	0.5 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MAADISESSG ADCKGDPRNS AKLDADYPLR VLYCGVCSLP TEYCEYMPDV AKCRQWLEKN FPNEFAKLTV ENSPKQEAGI SEGQGTAGEE EEKKKQKRGG RGQIKQKKKT VPQKVTIKI PRAKKKYVTR

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VCGLATFEID LKEAQRFFAQ KFSCGASVTG EDEIIIQGDF TDDIIDVIQE
KWPEVDDDSI EDLGEVKK

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name [DENR density-regulated protein \[Homo sapiens \]](#)

Official Symbol [DENR](#)

Synonyms

DENR; DRP; DRP1; SMAP-3; density-regulated protein; OTTHUMP00000239609; OTTHUMP00000239610; smooth muscle cell associated protein-3; smooth muscle cell-associated protein 3

Gene ID [8562](#)

mRNA Refseq [NM_003677](#)

Protein Refseq [NP_003668](#)

MIM [604550](#)

UniProt ID [O43583](#)

Chromosome Location [12q24.31](#)

Function [molecular_function](#); [protein binding](#); [translation initiation factor activity](#)

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