

Recombinant Human DENR, His-tagged

Cat. No. DENR-28066TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Density Regulated Protein with an N terminal His tag; 218 amino acids with the tag; predicted MWt: 24.3 kDa.
Species	Human
Source	E.coli
ProteinLength	198 amino acids
Description	This gene encodes a protein whose expression was found to increase in cultured cells at high density but not during growth arrest. This gene was also shown to have increased expression in cells overexpressing HER-2/neu proto-oncogene. The protein contains an SUI1 domain. In budding yeast, SUI1 is a translation initiation factor that along with eIF-2 and the initiator tRNA-Met, directs the ribosome to the proper translation start site. Proteins similar to SUI have been found in mammals, insects, and plants.
Conjugation	HIS
Molecular Weight	24.300kDa inclusive of tags
Tissue specificity	Highly expressed in heart and skeletal muscle and moderately expressed in the brain, placenta, liver and pancreas. Weakly expressed in the lung and kidney.
Form	Liquid

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	by SDS-PAGE
Storage buffer	pH: 8.00Constituents:20% Glycerol, 0.04% DTT, 0.88% Sodium chlorideNote: Contains 89% Tris-HCl buffer.
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHHSSGLVPRGSHMAADISESSGADCKGDPRNSAKLDADYPLRVLYCG VCSLPTEYCEYMPDVAKCRQWLEKNFPNEFAKLTVENSPKQEAGISEGQGTAGEEE EKKKQKRGGRGQIKQKKKTVPQKVTIKIPRAKKKYVTRVCGLATFEIDLKEAQRFFA QKFSCGASVTGEDEIIQGDFTDDIIDVIQEKWPEVDDDSIEDLGEVKK
Sequence Similarities	Belongs to the DENR family.Contains 1 SUI1 domain.

GENE INFORMATION

Gene Name	DENR density-regulated protein [Homo sapiens]
Official Symbol	DENR
Synonyms	DENR; density-regulated protein; DRP; DRP1; SMAP 3;
Gene ID	8562
mRNA Refseq	NM_003677
Protein Refseq	NP_003668
MIM	604550

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Uniprot ID	O43583
Chromosome Location	12q24.31
Function	molecular_function; protein binding; translation initiation factor activity;

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