

Product datasheet for SC321520

Density Regulated Protein (DENR) (NM_003677) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Density Regulated Protein (DENR) (NM_003677) Human Untagged Clone
Tag: Tag Free
Symbol: Density Regulated Protein
Synonyms: DRP; DRP1; SMAP-3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_003677.3
GTTGGTTCAGCTGGCGATAGCGGGGAGCGGAGCCGGCGGGCCCTGTGCGACCCCTGG
GTTTGTGAAATGGCTGCTGACATTTCTGAATCCAGCGGGCTGACTGCAAAGGAGACCCA
AGGAACAGTGCCAAGTTAGATGCCGATTACCCACTTCGAGTCCTTTATTGTGGAGTCTGT
TCATTACCAACAGAGTACTGTGAATATATGCCCTGATGTTGCTAAATGTAGACAATGGTTA
GAGAAGAATTTTCCAATGAATTTGCAAACTTACTGTAGAAAATTCACCCAAACAAGAA
GCTGGAATTAGTGAGGGTCAAGGAACAGCAGGGGAAGAAGAGGAGAAGAAAAACAGAAG
AGAGGTGGAAGGGGTCAAATAAAACAAAAAGAAGACCGTACCACAAAAGGTTACTATA
GCCAAAATCCCAGAGCAAAGAAGAAATATGTGACAAGAGTATGTGCCCTTGCAACTTTT
GAAATTGATCTTAAAGAAGCACAAGATTTTTTGTCAAAAATTCCTGTGGTGCCTCA
GTAACAGGGGAGGATGAAATTATCATTACGGGAGATTTTACAGATGACATAATTGATGTC
ATTCAGGAAAAATGGCCAGAGGTAGATGATGACAGCATCGAAGATCTTGGAGAAGTAAAG
AAGTGAATTTGAAAATTTGTCTGTATTTAATGGCTGAACTGAGAGTTGATATGGCCAAA
GGGAGAGAGGCCTTTTAAAATATATATATATATACACATATATATGTATATACACA
TATATGTATGTATACACATATACACATGTATATATACATGTGTATGTATACATGTATA
TACATGTATACATATATATATATATTCTACAGTAAAAGTGTAGACTGTCTCGCTTGG
CATTTTCACTGTTCTGTACAAGGCTGCTTGTTTTTTTATTGCCAAAGTCAAATAAACGGG
AGACTGTCATGCTCATGCATGAATAGAATTTAGTCAAATAAAAAATTTTGGTCATTTGGT
ACTGACTTCTCTCTCTCTCTCTCTCTCTTTTTTTTTTGTGACAGAGTCTCGCACTGTGC
TCCAGCCTGGCGACAGAGGGGAGACTCCATCTCAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire
ACCN: NM_003677



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| OTI Disclaimer: | Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP). |
| OTI Annotation: | This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA. |
| Components: | The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water). |
| Reconstitution Method: | <ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C. |
| RefSeq: | <u>NM_003677.3</u> , <u>NP_003668.2</u> |
| RefSeq Size: | 3061 bp |
| RefSeq ORF: | 597 bp |
| Locus ID: | 8562 |
| UniProt ID: | <u>O43583</u> |
| Cytogenetics: | 12q24.31 |
| Gene Summary: | 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. [provided by RefSeq, Jul 2008] |