

## Product datasheet for **SC325469**

### **P311 (NREP) (NM\_001142475) Human Untagged Clone**

#### **Product data:**

<b>Product Type:</b>	Expression Plasmids
<b>Product Name:</b>	P311 (NREP) (NM_001142475) Human Untagged Clone
<b>Tag:</b>	Tag Free
<b>Symbol:</b>	NREP
<b>Synonyms:</b>	C5orf13; D4S114; P311; PRO1873; PTZ17; SEZ17
<b>Vector:</b>	<u>pCMV6 series</u>
<b>Fully Sequenced ORF:</b>	>NCBI ORF sequence for NM_001142475, the custom clone sequence may differ by one or more nucleotides ATGAAAGGAGTTTGAATTATTCTGCTTTGAGCCGAAGAGAAGATGAAACACGAACCCAG AGGAGCAGGATGACAGACAGAGTCCCTTGTTCAAATGTTCCAGGTTCACTGCCAGATT TCTGTTCTGAATTGTGTTTATTACCCAGAACTCTTTGTCTGGGTCAGTCAAGAACCATT CCAAACAAGGACATGGAGGGAAGGCTTCCTAAGGGAAGACTTCCTGTCCCAAAGGAAGTG AACCGCAAGAAGAACGATGAGACAAACGCTGCCTCCCTGACTCCACTGGGCAGCAGTGAA CTCCGCTCCCAAGAATCAGTTACCTCCACTTTTT
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_001142475
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).



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**Reconstitution Method:**

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:** [NM\\_001142475.1](#), [NP\\_001135947.1](#)

**RefSeq Size:** 2149 bp

**RefSeq ORF:** 339 bp

**Locus ID:** 9315

**UniProt ID:** [Q16612](#)

**Cytogenetics:** 5q22.1

**Gene Summary:** May have roles in neural function. Ectopic expression augments motility of gliomas. Promotes also axonal regeneration (By similarity). May also have functions in cellular differentiation (By similarity). Induces differentiation of fibroblast into myofibroblast and myofibroblast ameboid migration. Increases retinoic-acid regulation of lipid-droplet biogenesis (By similarity). Down-regulates the expression of TGFB1 and TGFB2 but not of TGFB3 (By similarity). May play a role in the regulation of alveolar generation.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (3) includes alternate exons in the 5' UTR and 5' coding region, compared to variant 1. It encodes isoform c, which is longer and has a distinct N-terminus, compared to isoform a.