

Product datasheet for SC108526

P311 (NREP) (NM_004772) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	P311 (NREP) (NM_004772) Human Untagged Clone
Tag:	Tag Free
Symbol:	P311
Synonyms:	C5orf13; D4S114; P311; PRO1873; PTZ17; SEZ17
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108526 sequence for NM_004772 edited (data generated by NextGen Sequencing) ATGGTTTATTACCCAGAACTCTTTGTCTGGGTCAGTCAAGAACCATTTCCAAACAAGGAC ATGGAGGGAAGGCTTCCTAAGGGAAGACTTCTGTCCCAAAGGAAGTGAACCGCAAGAAG AACGATGAGACAAACGCTGCCTCCCTGACTCCACTGGGCAGCAGTGAACCTCCGCTCCCA AGAATCAGTTACCTCCACTTTTTTTAA

Clone variation with respect to NM_004772.2

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_004772 unedited GGGCGGGGNANNNGTTTTTCCCCNNGGGTCAGATTTGTATACGATCATATAGGCGC GCCCGAATTCGCACGAGNAAAAGAGTGAACAGGGAGCGGGCTTTTGTCTGTTGGTCT CCCTGGACTGAAGAGAGGGAGAATAGAAGCCAAAGACTAAGATTCTCAAATGGTTTATT ACCCAGAACTCTTTGTCTGGGTCAGTCAAGAACCATTTCCAAACAAGGACATGGAGGGAA GGCTTCCTAAGGGAAGACTTCTGTCCCAAAGGAAGTGAACCGCAAGAAGAACGATGAGA CAAACGCTGCCTCCCTGACTCCACTGGGCAGCAGTGAACCTCCGCTCCCAAGAATCAGTT ACCTCCACTTTTTTAATCGTAACACCTCCATTTGTATTACATATGGTGTATGGGTATTG ATGAGGTCATGGTATCATATATGGGATTTTTTCTGTGTAATCATCAAGTATAAGAAGA AACTATGGGACTCTGAGCCTTGCTTTAGAGAATTTACAGTGGACAAATAGGTGTCATCAA ACCAGTTTTTAATCATTCTGACTCAAGTAAAACGCTCAGAATTTCACTGTGAATCCA CGTTTACAACCCTTACAGGTGGGCTTCAGGCCTGGTTCGCTACAACAATGTCTTCCACA ACTCANACTCCCACCGCTCACACAACCGGTCCACTCCTGCCTTTTCACTCACACAGCT NCCGACTGCTTCTGCAGAGGCTGAGAGTCCCCACCCCCCTTTTTTTTCAATTTAGAAT GTACANACCTAGTAGTTTATGTTTCATCAATTGGCTGTATATCTCTATATTTTATCCATGT ACTCTTTTGATGTATAGAAAGTAGTTGAAACCTCATTGTTCTTGTGGGAAGTGACCGAG ATGCTGCCACAAGACCTGAGACTGATGAATGTTGCTATTTTGGACTTTCACATGCTCC TTGGCGAGGTAGCTT
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_004772 unedited GGCAACTTCCAGGGCCAGGNAGAAGCACTGGGGNAGGGTCACAGGGATGCCACCCGGGAT CTGTTTCAGGAAACAGCTATGACCGCGGCCCAATCTAGAGNCGAGNTNTTTTTTTTTTTT TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTACCTTACAGCTGGGGTTTTTAT TGAACAAATACTACTAAAAAGCTAAAAACATTGGGGACTTGGCATGAGGGCATCAGAA AAAATCACACTGGTACAAAAGCCTGGTTTTTCAGCAGTACACAACGGGAACCTTACATAA AGGGCCCAAATGCAAAAAACGGGTTTCTTGCTCTATTTACCCAGGTGATATCCCTTTTTT AACCAAGGGGGGAAAGGAGTAATGCACAAAAAACTCAGGCCAAGGGGGAGCAAAAATNN NAAGAAAAAGGGCAGGGCATGCGTCATCGGGTTTAAACAGTCAAAAGCAAAACAGTTCAA AACCAAGGCCTGCCTGTCAAAAAAAAGCTAAAGACAGTTATTTAAAAATTAAGGGGGGC TTTCAGACTGGGTAAACACAACAACATTCATGAGGAGAGGGGAGAGTATTTTTGGTTATC CATTTTCGGGGGAGCAAGGCAAAAAGTAAATCTCCCCCTGCTTAAAAAATTGCCAAAAAG AAAGCTCTGCCTATAAAAGATCAAGAATTTGAAAACCTTGGTTTCCAATTAATAATGGAA AAGGGGGAANNNNNAATTTCTACCAAGCCACGGTTTTTGGGGTTTTTCCGGGGGAGTA TTTAAAAAAGGGTTGGTGTTTTTTTTTTCAACAAATATCTCTTAACCGAGAAGACCCAGAA GAAACACCTCAAGCGGGGAATNATTGGTTTCTTCTCTAANCNGCGAGCTTGAAAG AAAAATTGGATAATATCCCG
Restriction Sites:	NotI-NotI
ACCN:	NM_004772
Insert Size:	2000 bp
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).
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_004772.1</u> , <u>NP_004763.1</u>
RefSeq Size:	2036 bp
RefSeq ORF:	207 bp
Locus ID:	9315
UniProt ID:	<u>Q16612</u>
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 (1) encodes the shortest isoform (a). Variants 1, 4, 5, 6, 7, 8, 9, 10, and 11 encode the same isoform.