

Product datasheet for **SC306929**

DPY19L2 (NM_173812) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DPY19L2 (NM_173812) Human Untagged Clone
Tag:	Tag Free
Symbol:	DPY19L2
Synonyms:	SPATA34; SPGF9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >SC306929 representing NM_173812.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGAGAAAAACAAGGAGTAAGCTCAAAGCGGCTGCAATCTTCCGGCCGCAGCCAGTCTAAGGGGCGGCGC
GGGGCCCTCCCTCGCCCGGAGCCGAGGTAGAGGAGGAGATGAAAAAGTCGGCCCTAGGCGCGGGAAA
CTGCCAAGGGGCTCCTGGAGGTCTCCCGGGGAGGATCCAAAGTCTGAAAGAGCGAAAAGGCTTGAG
CTAGAGGTGGTGGCCAAGACCTTTCTTCTCGGCCCTTCCAGTTCGTCCGTAATTCCTGGCGCAGCTC
CGGAAAAAGGTGCAGGAAGTGCAGGCGCGGCTTCTCCAGCAGAACCTCTCGGCATCGCTGTCTTT
GTGGCAATTTTACATTGGTTACATTTAGTAACACTTTTGAATGATCGTCATTCTCTCACCTCTCA
TCTTTGGAACGGGAGATGACTTTTCGCACTGAAATGGGACTTTATTATTCATACTTCAAGACCATTT
GAAGCACCTTCGTTTTTGAAGGACTGTGGATGATTATGAATGACAGGCTTACTGAATATCCTCTTATA
ATTAATGCAATAAACGCTTCCATCTTTATCCAGAGGTAATCATAGCCTCCTGGTATTGCACATTATG
GGAATAATGAATTTATTTGGACTAGAACTAAGACCTGCTGGAATGTACCAGAAATGAACCTCTTAAT
GAAGTTCAAAGCTGTGAAGGATTGGGAGATCCTGCTTGCTTTATGTTGGTGAATCTTTATTTTAAAT
GGACTAATGATGGGATTGTTCTTCATGTATGGAGCATACCTGAGTGGGACTCAACTGGGAGGTCTTATT
ACAGTACTGTGCTTCTTTTCAACCATGGAGAGGCCACCCGTGTGATGTGGACACCACCTCTCCGTGAA
AGTTTTTCCTATCCTTTCCTTGTACTTCAGATGTGATTTTAACTTTGATTCTCAGGACCTCAAGCAAT
GATAGAAGGCCCTTCATTGCACTCTGTCTTTCCATGTTGCTTTTATGCTTCCCTGGCAATTTGCTCAG
TTTATACTTTTACACAGATAGCATCATTATTTCCCATGTATGTTGTGGGATACATTGAACCAAGCAAA
TTTCAGAAGATCATTTATATGAACATGATTTACGTTACCCTTAGTTTCATTTTGATGTTTGGAAATTC
ATGTACTTATCTTCTTATTATTTCTCATCTTTGTTAATGACGTGGGCAATAATTCTAAAGAGAAATGAA
ATTCAAAAAGTGGAGTATCTAACTCAACTTTTGGCTAATTCAAGGTAGTGCCTGGTGGTGGGAAACA
ATCATTTTGAATTTCTGACATCTAAAATCTTAGGCGTTTCAGACCACATTGCGCTGAGTGATCTTATA
GCAGCCAGAATCTTAAGGTATACAGATTTTGATACTTTAATATATACCTGTGCTCCCGAATTTGACTTC
ATGGAAAAAGCGACTCCGCTGAGATACACAAAGACATTATTGCTTCCAGTTGTTATGGTGATTACATGT
TTTATCTTTAAAAAGACTGTTCTGTGATTTTCATATGTTTATAGCTACAAACATTTATCTAAGAAAACAG
CTCCTTGAACACAGTGAGCTGGCTTTTCACACATTGCAGTTGTTAGTGTTTACTGCCCTTGCCATTTTA
ATTATGAGGCTAAAGATGTTTTGACACCGCACATGTGTGTTATGGCTTCTTGATATGCTCTCGACAG
CTCTTTGGCTGGCTTTTTCGAGAGTTCGTTTTGAGAAGTTATCTTTGGCATTTTAACAGTGATGTCA
ATACAAGTTATGCAACCTCCGTAATCAATGGAGCATAAAGGAGAATTAATAATTTGCCTCAGGAA
GAACCTTTACAGTGGATCAAATACAGTACCACATCAGATGCTGTCTTTGCAGGTGCCATGCCTACAATG
GCAAGCATCAAGCTGTCTACACTTCATCCCATTTGTGAATCATCCACATTACGAAGATGCAGACTTGAGG
GCTCGGACAAAAATAGTTTATTCTACATATAGTCGAAAATCTGCCAAAGAAGTAAGAGATAAATTGTTG
GAGTTACATGTGAATTATTATGTTTATAGAAGAGGCATGGTGTGTTGTGAGAACTAAGCCTGGTTGCAGT
ATGCTTGAATCTGGGATGTGGAAGACCTTCCAATGCAGCTAACCTCCCTTATGTAGCGTCCTGCTC
GAAGACGCCAGGCCTTACTTCACCACAGTATTTCAAGATAGTGTGTACAGAGTATTAAAGGTTAACTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI

ACCN: NM_173812

Insert Size: 2277 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).

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:	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_173812.4</u>
RefSeq Size:	4064 bp
RefSeq ORF:	2277 bp
Locus ID:	283417
UniProt ID:	<u>Q6NUT2</u>
Cytogenetics:	12q14.2
Protein Families:	Transmembrane
MW:	87.4 kDa
Gene Summary:	The protein encoded by this gene belongs to the dpy-19 family. It is highly expressed in testis, and is required for sperm head elongation and acrosome formation during spermatogenesis. Mutations in this gene are associated with an infertility disorder, spermatogenic failure type 9 (SPGF9). [provided by RefSeq, Dec 2011]