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Product datasheet for SC200243

Sperm Flagellar 2 (SPEF2) (NM_024867) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Sperm Flagellar 2 (SPEF2) (NM_024867) Human 3' UTR Clone
Symbol:	Sperm Flagellar 2
Synonyms:	CT122; KPL2; SPGF43
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_024867
Insert Size:	88 bp
Insert Sequence:	>SC200243 3'UTR clone of NM_024867 The sequence shown below is from the reference sequence of NM_024867. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CCTTCAAGACATACAGAGGAAAAGAAATGAAGACAAAAGAGTGTGATTTTTTTAATTCTGCAATAAATC TTCCAAAAATTAAATGTGA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_024867.4

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Summary:	Required for correct axoneme development in spermatozoa. Important for normal development of the manchette and sperm head morphology. Essential for male fertility. Plays a role in localization of the intraflagellar transport protein IFT20 to the manchette, suggesting function as an adapter for dynein-mediated protein transport during spermatogenesis. Also plays a role in bone growth where it seems to be required for normal osteoblast differentiation.[UniProtKB/Swiss-Prot Function]
Locus ID:	79925
MW:	3.5