

Product datasheet for **RN208213**

Eppin (NM_001109457) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eppin (NM_001109457) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Eppin
Synonyms:	Spinlw1; Wfdc8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN208213 representing NM_001109457 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGTTTTCCAGATTTGTGAGCATCCTCGTGCTATTTGGCCTGCTTACAAAGGTCCAGGGACCTAGTC
 TAACTGACTTTCTGTTTCCAGGAGATGCCCCAGATTCAGAGAGGAGTGTGAACACAGAGAGAGGGACCT
 TTGTACCGGGACAGGGACTGCCAGAAGAGAGAGAAGTGTATCTTCAGCTGCGGAAAGAAATGTCTA
 AACCCCAACAAGATATTTGCAGCCTACCAAAAGACTCTGGCTACTGCATGGCTTACTTCCTCGTTGGT
 GGTATAATAAGAAAAACGGCACGTGCCAACTCTTCATCTATGGTGGTTGCCAGGGAACAATAACAACCTT
 CCAGTCCCAAAGTATATGCCAGAATGCCTGTGAAAAAAAAGCAATTCCACCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001109457
Insert Size:	405 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).


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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_001109457.1</u> , <u>NP_001102927.1</u>
RefSeq Size:	731 bp
RefSeq ORF:	405 bp
Locus ID:	685161
UniProt ID:	<u>D4A2Z2</u>
Cytogenetics:	3q42
Gene Summary:	Serine protease inhibitor that plays an essential role in male reproduction and fertility. Modulates the hydrolysis of SEMG1 by KLK3/PSA (a serine protease), provides antimicrobial protection for spermatozoa in the ejaculate coagulum, and binds SEMG1 thereby inhibiting sperm motility (By similarity).[UniProtKB/Swiss-Prot Function]