

Product datasheet for **RN205144**

Yme111 (NM_053682) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Yme111 (NM_053682) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Yme111
Synonyms:	FtsH1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN205144 representing NM_053682
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTTCTCCCTGTCGAGCACTGTGCAGCCTCAGGTTACAGTTCCTCTCAGTCATCTCATCAATGCCTTCC
 ATTCACCAAAAAATATATCCGTTTCCGTC AATACATCTGCTTCTCCAAAACAGCATCGAGATACAGTTGC
 TGAGCATGAAGCTCCAGTAGTGAGCCTGTGCTTAATTTAAGGGACCTGGATTATCTGAATTGAAAATT
 GGACAGACTGATAAACTGGTAGAAAATTTACTTCTGGATTTTATAAAGACAAAAGAGTTTCTTCTGTT
 GGCATACATCTCATATCTCGGCACAGTCTTTTTTAAAAATAAATATGGTCACTTAGATATGTTCACTAC
 ATTACGTTCTCTAGCTTGTACAGGCAACATCCAAAACCTTTCAGAGCATTGTTTCAGATCTTCAGAAT
 TTTCCAGTTTTATACAGTCTCGTGGTTCAAACCTTTGAAGTCAAGGACACGGCGTTTGAATCTACTT
 CTGAAAGATTAGCAGAAGCACAGAATATAGCACCATCATTGTGAAGGGGTTTCTTTGCGGGACAGAGG
 AACAGATCTTGAGAGTTGGACAACTTATGAAAACATAAACAATACCTGAAGTTCACCAAGATGCATTT
 AAAACTGGTTTTGCAGAGGGTTTTCTCAAAGCTCAAGCTTACACAGAAGACCAATGATTCCTTAAGGC
 GAACTCGTCTGATTCTCTTTGTTTTGCTCCTGTTTGGCATTATGGACTCTTAAAAAATCCATTTTTATC
 TGTGCGCTCCGGACAACACAGGACTTGATTCTGCAGTAGACCCTGTCCAGATGAAAAATGCACTTTT
 GAACATGTTAAAGGGGTGGAGGAGGCCAAAACAAGAATTACAGGAAGTGGTTGAATTTGAAAAACCCAC
 AGAAGTTTACTGTGCTTGGAGGTAACTTCCCAAAGGAATCTCTTAGTGGGGCCACCAGGAACAGGGAA
 GACCTTCTTGCCGAGCTGTGGCAGGAGAAGCTGATGTTCTTTTTATTATGCTTCTGGATCAGAATTC
 GATGAGATGTTTTGTTGGTGTAGGAGCCAGCAGGATCAGAAATCTTTTAGAGAAGCAAAAGCAAAATGCTC
 CTTGTTATATTCATTGATGAATGGATTCTGTTGGTGGGAAGAGAATTGAATCTCCAATGCATCCATA
 TTCAAAGGCAGACTATCAATCAACTTCTTGCCGAAATGGATGGTTTTCAAACCTAATGAAGGAGTAATCATT
 ATAGGTGCCACAATTTCCAGAGGCATTAGATAATGCCTTAATACGTCCTGGTCTTTTTGATATGCAAG
 TTACAGTTCGAAGCCAGATGTGAAGGGTCTGACTGAAATTTTGAATGGTATCTTAATAAAAAATAAGTT
 TGATAAATCTGTTGATCCAGAAATCATAGCTCGAGGAACGTTGGGTTTTCTGGAGCAGAGTTGGAGAAT
 CTTGTGAACCAAGCTGCATTAAGGCAGCAGTTGATGGAAAAGAATGGTTACCATGAAGGAACTAGAGT
 TTTCCAAGGATAAAAATCTAATGGGACCAGAAAGAAGTGTGGAAATGATAACAAAAACAAAATCTAT
 AACAGCCTATCATGAATCTGGTCATGCTATTATTGCATATTACACAAAGGATGCAATGCCAATCAATAAA
 GCTACAATCATGCCACGAGGGCCACACTTGGACATGTACTGTTGCCTGAGAATGACAGATGGAAATG
 AAAGTAGAGCCAGCTGCTTGCACAGATGGATGTTAGTATGGGAGGAAGAGTGGCAGAGGAACTCATATT
 TGGAAACCGATCATATTACAACCTGGTCTCTAGTGATTTTGATAATGCAACAAAAATTGCAAGAGGATG
 GTTACCAATTTGGAATGAGTGAAGGCTTGGAGTTATGACCTACAGTGATACAGGAAAGCTAAGTCCTG
 AAAGTCAATCGGCCATTGAACAAGAAAATAAGAAATCCTTCTACGGGAATCATATGAACGAGCAAAACATAT
 CCTGAAAACACATGCGAAAGAACATAAGAACCTGGCCGAGGCGTTGCTGACCTATGAGACTTTGGATGCC
 AAAGAGATTCAAATGTTCTTGAGGGGAAGAAATTAGAAGTGAGATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_053682
Insert Size: 2148 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_053682.2</u> , <u>NP_446134.2</u>
RefSeq Size:	3006 bp
RefSeq ORF:	2148 bp
Locus ID:	114217
Cytogenetics:	17q12.3
Gene Summary:	human homolog has similarity to mitochondrial AAA proteases, especially to yeast Yme1p; may be a candidate gene for a form of hereditary spastic paraplegia or neurodegenerative disorder [RGD, Feb 2006]