

Product datasheet for **MC221111**

Hook1 (NM_030014) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hook1 (NM_030014) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hook1
Synonyms:	A930033L17Rik; azh
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC221111 representing NM_030014
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGACCCGACGCCGCTGCCACAGTCCGAGCTGCCGCTGTGTGACAGCCTCATCATCTGGTGCAGAC
 CATTCAAGACTGCCTCACCTTGTCAAGATGTCAAACAGCTGACTAATGGAGTGACCATGGCACAAGTTCT
 TCATCAAATTGATGTAGCTTGGTTCAGCGAATCTTGGTTAAGCCGAATTAAGATGATGTTGGAGACAAC
 TGGAGAATAAAGGCTAGTAACCTGAAGAAGTCCCTCCATGGAATTACAAGTTACTATCATGAGTTTTTGG
 GGCAGCAGATTTCTGAAGAACTTATCCCTGATTTAAATCAAATCACTGAGTGTGCAGATCCTGTGGAGCT
 TGGGAGGTTGCTCAGCTAATCTAGGATGTGCAGTCAACTGTGAAAAGAAGCAAGAACATATAAAAAT
 ATAATGACCTGGAAGAATCTGTTCAACATGTGGTCATGACTGCAATTCAGGAGCTGATGAGTAAGAAA
 TAGTGATCTCTCCTGCAAGTGACACGGTGGGAGAATTAGAACAGCAGCTTAAAAGGGCTTTAGAAGAGCT
 TCAGGAGGCCATAGCAGAAAAGGAGAGCTGAAGCAGAGGTGCCAGGAAGTGGATATGCAGGTGACTACA
 CTTCAGGATGAGAAGAATTCAGTGGTCTCTGAGAATGAGATGATGAATGAAAAGCTTGACCAGTTGGATG
 GCTCTTTTGATGATCAAATACAATGGTTGCAAAGAAATATTTTACGTACAGCTACAACAGAACAAAT
 ACAAGAAGAAAATATAGGCTTGAAGCTGCAAAAGATGATTACCGTGTTCACTGTGAGGAACTTGAAAAG
 CAACTGATTGAATTTAGCAGCAGGAATGATGAGCTGACGAGCCTTGCTGAAGAGACCAGAGCCCTAAAAG
 ATGAGATAGATGTTCTTAGGGCTACGTACAGCAAAGCAAATAAAGTGGAGTCAACAGTGGAGGTATATCG
 TCAGAAGCTACAAGATTTAAATGACCTCCGCAAACAGGTGAAATCTTTACAGGAGACAAAATGATGAT
 ATGCATAACACTGTGAGCTTGAAGAAGAGCTGAAGAAGGCCAACGCAGCTCGGGCACAGTTAGAGACCT
 ATAGCGCCAGGTTGAGACCTTACACAAAAGCTTTCCTCTGAATCCAAAAGGGCAGATACATAGCATT
 TGAAATGAAGAGGCTTGAAGAAAAACATGAAACTTTACTCAAGGAAAAAGAGCGATTGATAGAACAGCGT
 GACACTCTGAAGGAGACGAATGAGGAGCTGCGGTGCTCAAAGCACAGCAAGATCACTTAAACCAAGCTG
 ATGCATCTGTACAAAAAGTTATGAAAATCTTGCTGCTGAGATCATGCCCGTGAATACAGAGAGGTGTT
 CATTGACTCCAGCATGAAAACAAAATGCTTCGCCTACAGCAAGAAGGGACGGAGAATGAACGCATTGAG
 CAGCTGCAGGAGCAACTGGAGCAGAAGCACCGCAAGATGAATGAGCTGGAACCGAGCAAAGGTTGAGCA
 AAGAGCGCATCGGAGAACTACAGCAGCAAATGAGGACCTCCAGAAGTCAATACAAGAACAGGGCTCTAA
 GTCTGAAGGTGAAAGTTCCAGCAAATTAAGCAGAAGTTGGAAGCTCATATGGAAAACTAACAGAAGTC
 CATGAAGAATTACAGAAGAAACAGGAGCTCATTGAAGACCTTCAGCCAGATATAAGTCAGAATGCCCAA
 AGATCAGTGAAGTGAAGCGGCTTTCAGAAAGAGATGAAGACATGAAAGCAATGGAGGAGAGATACAA
 AATGTAAGTACTAGAGAAAGCCAGGAATGTAATAAAAACTTTAGATCCCAAATTAATCCAGCATCAGCAGAA
 ATAATGTTACTCAGAAAGCAGCTGGCGGAGAAGGAAAAGAAGATTGAGATTCTAGAGAGTGAATGTAAG
 TAGCAAATTTAGGGGATTATGAGGAAAACTCATTGTTTCTGCCTGGTATAACAAGAGCCTGGCGTTTCA
 GAAATGGGCATGGAGTCTCGGCTGGTGGTGTAGTGTCTGCTTGCCTGCAAGACAGCGTTGCGGCTGCTCT
 GCACGTTCTTCTAGCGCAGCAGCGGCACATACCAACACCCGAAGAAACCTCTCTGTTAAGTCCCAG
 CTGCAGCATCTGACTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_030014

Insert Size: 2187 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_030014.2</u> , <u>NP_084290.1</u>
RefSeq Size:	4252 bp
RefSeq ORF:	2187 bp
Locus ID:	77963
UniProt ID:	<u>Q8BIL5</u>
Cytogenetics:	4 44.17 cM
Gene Summary:	Required for spermatid differentiation. Probably involved in the positioning of the microtubules of the manchette and the flagellum in relation to the membrane skeleton (PubMed:12075009). Component of the FTS/Hook/FHIP complex (FHF complex). The FHF complex may function to promote vesicle trafficking and/or fusion via the homotypic vesicular protein sorting complex (the HOPS complex) (By similarity).[UniProtKB/Swiss-Prot Function]