

## Product datasheet for **MC221032**

### Hook2 (NM\_133255) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hook2 (NM_133255) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hook2
Synonyms:	A630054I03Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221032 representing NM\_133255  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAGTGTGGACAAGGCCGAGCTATGCGGGTCTCTGCTCACCTGGTTGCAGACGTTCCAAGTTTCACCCC  
 CCTGTGCCAGTCCCAGGACCTGAGCAGCGGACTCGCCATAGCCCATGTGCTGAATCAGATAGACCCTTC  
 CTGGTTCAACAACGAATGGCTCCAGGGCATCTCAGAGGACTCAAGCCCCAGCTGGAGGTTGAAGGTCAGG  
 AAAGTGGAGAAGATCTTACAGAGCTTGGTGAATACTCGAAGAATGTTCTGGGGCACCTGTGTCAGATC  
 AGCATCTCCAGATGTGAGCCTCATTGGCGAGTTCTCAAATCCTGCAGAAGTTGGCAAAGCTTTCAGTT  
 GGTACTGGGCTGTGCTATCAGTTGTGAGAAAAACAGGAGTATATCCAAAGAATTATGACCCTGGAGGAG  
 TCTGTTCAACATGTAGTGATGGAAGCCATCCAGGAGCTCATGACCAAAGACACTCCTGATTCCCTGTCAC  
 CAGAGAATTACGGGAATTTTGATACACAGTCCCGCAGGACTATTTCTGAGTGAGGAGGTGGAGGAGGG  
 TGATCATCTTCAGCAACATTACCTGGATCTGGAGCGCCAGCTCTTCTCCTTTCAGAGGAGAAGCAGAAT  
 CTGGCACAAAGAGAACGCTGCCCTTCGAGAGAGGGTGGGCCGGTCCGGAAGTGGAGAGTGCCCCGGGCCTCA  
 CAGCTAAGAAGCTATTGCTTCTGCAGTACAGCTAGAACAGCTTCAAGAGGAGAATTTTCAGGCTGGAGAG  
 TAGCCGGGAAGATGATCGGCTTCGCTGCCTGGAAGTACAGCGCGAGGTCGCTGAGCTGCAACAACGGAAC  
 CAGGCACTGACCAGCCTATCCCAGGAGGCACAAGCACTAAAGGATGAGATGGATGAGCTGCGGCAGTCTCT  
 CCGAACGTGCAAGGCAGCTGGAGGCCACTCTGAACAGCTGCCGTCGCTCGCTGGGGCAGCTCCAAGAGCT  
 CCGGGCGCAGGTGCGGCAGCTGGAGGAGCGAAATGCAGGCCACGCGGAGCGCACGCGGCAGCTGGAAGAG  
 GAGCTGCGCCGTGCAGGATCCCTGCGTGCCAGCTCGAGGCTCAGCGCAGGCAAGTGAAGAGTTGCAGG  
 GCCAGTGGCAGGAAGAGGCCATGAAGCTGAGAAGTGGCTGTTTGAATGCCGAAACCTAGAGGAAAAAGTG  
 TGACCTGGTGACAAAGGAGAAGGAGCGGCTATTGACTGAGAGGGACTCCCTGAGGGAGGCCAATGAGGAG  
 CTCCGCTGTGCCAGCTGCAGCCAGGGGATTGGCTCAGGCTGATCTCTCCTGGATCCTACCCCTTCTG  
 GCCTGGAAAACCTAGCAGCAGAGATCCTGCCTGCAGAGCTCAGAGAGACGCTAGTGCGACTTCAGCTGGA  
 GAACAAGAGACTGTGCCAGCAGGAGGCCGCGGACCGGGAGCGACAGGAGGAACTGCAGCGCCACCTGGAG  
 GAGGCCAACCGTGCACGCCATGGGCTGGAAGCACAGCAACGGCTGAACCAGCAGCAGCTGTCGGAGCTGA  
 GGGCGCAGGTGGAAGAGCTACAGAAGGCCTTGCAGGAGCAGGGGGCAAGACCGAGGACCCACCCCTGCT  
 GAAGAGGAAGCTGGAGGATCATCTGCAGAAGCTGCATGAGGCTGACCTGGAGTTGCAGAGGAAACGAGAA  
 TACATTGAGGAGTTGGAGCCTCCACTGACAGCAGCACAGCTCGCGGATCGAGGAGCTACAGGACAGTC  
 TGCAAGAAGGATGCAGACCTGCGGGCCATGGAGGAACGATACCGCCGCTACGTGGACAAGGCGCGCAC  
 GGTCAATCAGACCCTGGAACCCAAGCAGAGGCCACCCACTGTGGTGTCCCAGAATTCCATACCTTGAGG  
 TCACAGCTCTGGGAGCGGAACCTGCGGATACGGCAGATGGAGATGGACTATGAGAAGAGTCGGAGACGGC  
 AGGAACAGGAGGAAAAGCTGCTTATCAGTGCCTGGTACAGCATGGGCATGGCCTTGAGCATCGGGCTGG  
 GGAAGAGCACGCTCCTGCCATGCCAGTCTTCTTGGCACAGCAAAGACTGGCCACCAATGCTCGCCGT  
 GGACCCCTGGGGCGCCAGGCTCTGAGCCTCCGCCCCACTGACAAGCAC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_133255

**Insert Size:** 2151 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).

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_133255.2</a></u> , <u><a href="#">NP_573518.2</a></u>
<b>RefSeq Size:</b>	2617 bp
<b>RefSeq ORF:</b>	2151 bp
<b>Locus ID:</b>	170833
<b>UniProt ID:</b>	<u><a href="#">Q7TMK6</a></u>
<b>Cytogenetics:</b>	8 C3
<b>Gene Summary:</b>	<p>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). Contributes to the establishment and maintenance of centrosome function. May function in the positioning or formation of aggresomes, which are pericentriolar accumulations of misfolded proteins, proteasomes and chaperones. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) lacks an alternate in-frame exon compared to variant 3. The resulting isoform (1) has the same N- and C-termini but is shorter compared to isoform 3.</p> <p>Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>