

Product datasheet for **MC221058**

Hook3 (NM_207659) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hook3 (NM_207659) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hook3
Synonyms:	5830454D03Rik; AI317159; E330005F07Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC221058 representing NM_207659
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTTTAACTGGAGTCTGTGGAGCGGGTGGAGCTGTGCGAGAGCCTGCTCACTTGGATCCAGACCTTTA
 ATGTGGATGCACCGTGCCAGACCGGAGGACTTAACGAACGGCGTTGTCATGTCCAGGTTCTTCAGAA
 GATAGATCCTGTATATTTTCGACGATAATTGGCTAAACAGAATCAAACTGAAGTAGGAGACAATTGGAGG
 TTAAGATCAGCAATTTAAAGAAAATTTTAAAGGCATCTTGGATTACAATCATGAGATTTTAGGACAGC
 AGATTAATGATTTACCCTTCTGACGTGAACCTATTGGGGAGCATTCCGGATGCAGCAGAGCTCGGAAG
 GATGCTGCAGCTCATTCTAGGCTGTGCTGTGAACGTGTGAGCAGAAGCAAGGTACATTCAAGCCATTATG
 ATGATGGAGGAATCTGTTACGATGTGTCATGACAGCCATTCAAGAGCTAATGAGTAAAGAGTCTCCTG
 TCTCTGCTGGACATGATGCCTATGTTGATCTTGATCGCCAGTTGAAGAAAACCTACCGAAGAACTAAATGA
 AGCTTTGTGAGCAAGGAGGAAAATGCTCAAAGATGCCATGAATTGGATATGCAGGTTGCAGCACTGCAA
 GAGGAGAAAAGTAGTTTATTGGCAGAAAATCAGATACTAATGGAACGACTCAATCAATCTGATTCTATAG
 AAGATCCCAATAGCCAGCAGGAAGAAGACATTTGCAACTTCAGACTCAGTTAGAACAGCTGCAAGAAGA
 AACATTACAGACTAGAAGCAGCCAAAGACGATTATCGAATCCGCTGTGAGGAGTTAGAAAAGGAAATCTCT
 GAGCTTCGGCAGCAGAACGATGAGCTGACCACTTTGGCAGACGAAGCTCAGTCTCTAAAGGATGAAATAG
 ACGTTCTCAGACACTCTTCTGATAAAGTATCTAACTAGAAGGCCAAGTCGAATCTTATAAGAAGAAGCT
 GGAAGACCTTGGAGATTTAGGGCGCAGGTTAAGCTCTTGAAGAAAAGAATACGATGTACATGCAGAAC
 ACTGTCAGTCTGGAGGAAGAGTTAAGAAAAGCTAATGCCGCCCGGGACAGCTTGAGACATACAAGAGAC
 AAGTTGTAGAGCTGCAAAATAGATTATCTGACGAATCAAAGAAAAGCAGATAAGTTAGATTTGAATATAA
 CGGCTAAAAGAAAAGTTGATGGTCTTCAGAAAAGAAAAGATAGGTTAAGAACGGAAAAGAGATTCTCTG
 AAGGAAACCATTGAAGAGTTGCGTTGTGTGACGGCTCAGGAGGGGACAGCTCACCCTCAAGGTTAATGC
 CTCTGGGAAGCCAGGAATCTTCAGACAGCCTTGCAGCAGAGATTGTTACACCCGAAATCAGGGAGAACT
 TATTCGTCTTCAGCATGAGAATAAAATGTTAAACTCAATCAAGAGGATTCAGACAATGAGAAAATTGCC
 TTATTGCAGAGCCTTCTAGATGATGCAAACTACGCAAGAATGAGCTGGAGACGGAGAACAGGCTTGTGA
 ATCAGAGACTTCTAGAAGTACAGTCACAAGTAGAAGAACTGCAAAAATCTTTCAGGATCAAGGTTCAA
 AGCAGAAGATTCAGTTCTTCAAAAAGAAGCTTGAAGAACATCTAGAGAAGCTGCATGAAGCCAACAAT
 GAATTGCAGAAAAGAGAGCCATTATTGAAGATCTCGAGCAAGATTTAAACAACAGCTCCTTAAGAATTG
 AAGAATTGCAAGAGGCTTTACGGAAGAAAAGAAAGAAAATGAAGCAATGGAAGAACGCTATAAAAATA
 CTTAGAGAAGGCCAAGAGTGTTATCCGTACATTAGACCCTAAACAGAATCAAGGAGCAGCACCAGAAAT
 CAAGCTCTTAAAATCAACTGCAGGAACGGGACCGACTCTCCACTCATTAGAGAAAAGATATGAGAAAA
 CGAAGAGTCAAAGAGACATGGAGGAGAAAATACATTGTTAGTGCCTGGTACAATAATGGGAATGACTCTACA
 TAAAAGGCGGCTGAAGACAGACTAGCTAGCACAGGTTCCAGGCGAGTCATTTCTGGTAGGCAAAGACAA
 GCAACCAGCACAGAAGATCCTACCCAGGCCATGTCCAGCCAGCCACAGCAAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_207659

Insert Size: 2157 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_207659.3</u> , <u>NP_997542.1</u>
RefSeq Size:	12836 bp
RefSeq ORF:	2157 bp
Locus ID:	320191
UniProt ID:	<u>Q8BUK6</u>
Cytogenetics:	8 A2
Gene Summary:	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). May regulate clearance of endocytosed receptors such as MSR1. Participates in defining the architecture and localization of the Golgi complex (By similarity). Serves as a target for the spiC protein from Salmonella typhimurium, which inactivates it, leading to a strong alteration in cellular trafficking (PubMed:12950921). Acts as an adapter protein linking the dynein motor complex to various cargos and converts dynein from a non-processive to a highly processive motor in the presence of dynactin. Facilitates the interaction between dynein and dynactin and activates dynein processivity (the ability to move along a microtubule for a long distance without falling off the track) (By similarity).[UniProtKB/Swiss-Prot Function]