

Product datasheet for **SC104803**

HOOK3 (NM_032410) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HOOK3 (NM_032410) Human Untagged Clone
Tag:	Tag Free
Symbol:	HOOK3
Synonyms:	HK3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_032410 edited

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GAATTCGGCACGAGGACGGTGCGGAGCCGCTGCCAGCGCTGGGCGAGAGTCGGCGGCCGG
ATCCGAGGAGCAGGCGGGCCTGAGGCCGAGTCAGCTGCGCGGGCCCCGGATCCCCCGAC
AGAGCGGCGGGCGGTGTCTGGCCAGGCGGTAGGCGCTGCCTGGCCGCGGCGGGAAGATGT
TCAGCGTAGAGTCGCTGGAGCGGCGGAGCTGTGCGAGAGCCTCCTCACTTGGATCCAGA
CATTTAATGTGGATGCACCATGCCAGACCGTGAAGATTTAACGAATGGGGTTGTGATGG
CCCAGGTTCTTCAAAAGATAGATCCTGCATATTTTATGAAAAATTGGCTAAACAGAAATCA
AAACTGAAGTAGGAGATAATTGGAGGCTAAAGATAAGCAATTTAAAGAAAATTTTAAAG
GAATCTTGGATTATAATCATGAGATTTTAGGACAGCAATTAATGACTTTACCTTCCTG
ATGTGAACCTTATTGGGAGCATTCTGATGCAGCAGAGCTTGAAGGATGCTTCAGCTCA
TCTTAGGCTGTGCTGTGAACGTGAACAGAAAGAGTACATCCAAGCCATTATGATGA
TGGAGGAATCTGTTCAACATGTTGTCATGACAGCCATTCAAGAGCTGATGAGTAAAGAAT
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AAATCAGGGAGAACTTATTCGTCTTCAGCATGAGAATAAGATGTTAAAGCTTAACCAAG
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GAGTTTTTATTCTTATATTATGAAGGATTCTTTGCCTAGCAGTAGCCGTCAACTGATG
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TGAAGTTTTTCTATGAGGAAGGCTATTCTCAATGTATCTGTCGCTAATTTTTTATTTT
CTATCTATAAAGAATATTTAAATAATAAAAAAAAAAAAAAAAAAACTCGAC

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**5' Read Nucleotide
Sequence:**

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>OriGene 5' read for NM_032410 unedited
NGGTGTCAACAATTGTATACGACTCATATAGGCGGCCGCGAAATTCGCACGAGGACGGTG
CGGAGCCGCTGCCAGCGCTGGGCGAGAGTCGGCGGCCGGATCCGAGGAGCAGGCGGGCCT
GAGGCCGAGTCAGCTGCGCGGGCCCCGGATCCCCGACAGAGCGGCGGGGTGTCTGGC
CAGGCGGTAGGCGCTGCCTGGCCGCGGCGGGAAGATGTTAGCGTAGAGTCGCTGGAGC
GGGCGGAGCTGTGCGAGAGCCTCCTCACTTGGATCCAGACATTTAATGTGGATGCACCAT
GCCAGACCGTGGAAGATTTAACGAATGGGGTTGTGATGGCCCAGGTTCTTCAAAAGATAG
ATCCTGCATATTTTGTAGAAAATGGCTAAACAGAATCAAACTGAAGTAGGAGATAATT
GGAGGCTAAAGATAAGCAATTTAAAGAAAATTTTAAAGGAATCTTGGATTATAATCATG
AGATTTTAGGACAGCAATTAATGACTTTACCTTCTCTGATGTGAACCTTATTGGGGAGC
ATTCTGATGCAGCAGAGCTTGAAGGATGCTTCAGCTCATCTTAGGCTGTGCTGTGAAC
GTGAACAGAAGCAAGAGTACATCCAAGCATTATGATGATGGAGGAATCTGTTCAACATG
TTGTCATGACAGCATTCAAGAGCTGATGAGTAAAGAATCTCTGTCTCTGCTGGAAATG
ATGCCATGTTGACCTTGATCGTCAGCTGAAGAACTACAGAGGAATAAATGAAGCTNT
GTCAGCAAAGGAAGAAATGCTCNAAGATGCCATGAAGTGGATATGCANGTGCAGCATT
GCAGGAAAGAGAAAGTAGTTTGTGGCAGAGAATCAGGTATTAATGGGAAGACTCAAATC
ATCTGATTCTATAGAAGACCTAN

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3' Read Nucleotide Sequence:	>OriGene 3' genomic read for NM_032410 unedited <pre> AGCTCTGGACCGCGCGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTATTATT TAAATATTCTTTATAGATAGAAAATAAAAAATTAGACGACAGATACATTGAGAATAGCCT TCCTCATAGAAAAAATTCATGATATAAAACATTCAAATCATTATTATAGTTATCAAGAA TAAGCTCTGAAACCTCCTTCTAAATGTAATGAACTAGGTTGGATAATTACCAAAAGAAA CTGCCATTTTGACAGAATGATAGGAAGAGAGATTATCCTTATTGAATGGAAAATCCTTCT AATTTATAAAAAATGAAAAATAGAAAAATGATAAAATAATTTTCAAAGATTCTGACATC CCATTTTATTTTGCTCAGAATAGTCTTTTCATCCTACTGTATGGTATTACACAGGCTTCAC TGTTGAGAAGTACAATGCTACATCAGTTTGACGGCTACTGCTAGGCAAAGAAATCCCTTCA TAATATAAGAATAAAAACTCAAAATATTCTTCTACAGTTTCATGAATAGACAACAAAAAG CACTTTGTCTTCATGTTGTTATTTTGCCTCAGCAAAAAGCAAGATACCAAGCACTTTCC TCTCACTCTAGAAACAAAGATGTACTTATCCACGTCGCTTGAACTAGCTTCGATTTC ACTAGCTGTGGGTTTGTGGGTGCTTTCTCAGAATATCACCAGTATCAACTGGGGATAC CTGGAGTTATCCCGACTCAGAGATCTAGATATAGGAGACCTAATGCCAGTTAAAGAA TTTTAAAAGGAATTCAGATTTTTGTTTCAAGAACTCCTAAATTGGGATAAGACTTCCA GGTTTTAAATGCCTGTATCCTAAAAGGACAGGGAATTTTGGAAAGAACACGAAAGCGGAA AAAATTCACATTCTTACTACGAGAAAACCCACTGCTCTTTTAC </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_032410
Insert Size:	5350 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:	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_032410.2, NP_115786.1</u>
RefSeq Size:	3685 bp
RefSeq ORF:	2157 bp
Locus ID:	84376
UniProt ID:	<u>Q86VS8</u>
Cytogenetics:	8p11.21

Gene Summary:

Hook proteins are cytosolic coiled-coil proteins that contain conserved N-terminal domains, which attach to microtubules, and more divergent C-terminal domains, which mediate binding to organelles. The Drosophila Hook protein is a component of the endocytic compartment.[supplied by OMIM, Apr 2004]