

Product datasheet for **SC123682**

FCHSD2 (BC010394) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FCHSD2 (BC010394) Human Untagged Clone
Tag:	Tag Free
Symbol:	FCHSD2
Synonyms:	FCH and double SH3 domains 2; KIAA0769; nervous wreck homolog; NWK; SH3 multiple domains 3; SH3MD3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for BC010394 edited
 GGGGAGCAGAATGTGATTTGCTTGAAGATATGAGGACATTCAGTCAGAAGAAGGCTGCTA
 TTGAAAGAGAGTATGCACAGTATTCATTGTATGGATATACCACAGTTTATCCATTTTCC
 TGTTGATGGACATGGTATGCAGAAGTTGGCTAGTCAATACCTGAAGAGAGATTGGCCTGG
 AGTAAAAGCTGATGATCGGAATGATTACAGGAGCATGTATCCCGTTTGGAAATCTTTTCT
 CGAGGGAAACAATGCAGGTAGCCAGTCTCGGATGAATATATGTGAAAACATAAAAACTT
 CATTTCGAGCCTGCAAGGACAGTGAGAAGCTTAAAAGAACAGCAACTAAAAAGGTGTGT
 GGACCAGTTGACAAAGATCCAACTGAATTACAAGAGACAGTGAAAGATTTAGCTAAAGG
 CAAAAAGAAATACTTTGAGACTGAACAGATGGCTCATGCAGTACGAGAGAAAGCTGACAT
 CGAGGCCAAAATCTAACTTAGTCTTTTTCAATCAAGAATCAGTTTACAGAAGGCAAGTGT
 AAAGTTAAAAGCCCGCGATCTGAGTGTAAATCCAAAGCTACCCACGCAAGGAATGATTA
 TCTTCTTACCCTAGCGGCAGCAAATGCACATCAGGATCGCTACTATCAAACAGATTTAGT
 TAACATTATGAAGGCTCTTGATGGAAATGTGTATGATCATCTCAAGGATTATTTAATAGC
 CTTTCAGCCGACTGAGCTAGAAACATGCCAAGCTGTGCAGAACACATTCCAGTTTTTATT
 AGAAAACCTCCAGCAAGGTGGTCCGGGACTACAATCTTCAGCTGTTTTTGAAGAAAACGC
 TGTATTTCAAAACCCAGCCCTTCCAGTTCAGCCTTGTGACAGTGATACTAGCCGACA
 GTTAGAATCAGAACTGGGACCACAGAGGACAGTCTAAATAAGGAAGCTCGAAAATG
 GGCCACACGTGTGGCACGTGAGCATAAAAAATTGTTCCACCAACAACGGGTTCTAAATGA
 TCTGGAGTGTGATGGAGCTGCTGTATCAGAACAAGCCGAGCAGAGCTAGAACAGAAAAAT
 AGATGAAGCTAGAGAAAAATTCGTAAGCAGAGATAATTAATTTGAAAGCTGAAGCCCG
 GTTGGACCTGCTAAAGCAGATTTGGTGTCTGTGGACACATGGCTAAAGAGTGCCATGAA
 CCAAGTAATGGAAGAATGGAAAATGAGCGATGGGCCCGCCCTCCTGCAGTGACCAGTAA
 TGGCATTACACTCGCTTAATGCAGATACCGAAAGAGAAGAAGGCCGAAGAGTTTGAAGA
 TAACATGGATGTTTTCGATGACAGCAGTTCAGCCCTTCTGGCACCTTAAAGAAATTTATCC
 ACTCACCTGCAAAAGTTGTTTATTCTACAAGGCTTCTCAACCAGATGAGTTGACCATTGA
 GGAACATGAGGTGTTAGAAGTATTGAAGATGGAGATATGGAAGACTGGGTAAAGGCTCG
 AAATAAGTTGGCCAAGTGGTTATGTGCCAGAAAAGTACCTACAGTTTCCACCTCGAA
 CAGCCTCCTGAGCATGCTGCAGTCCCTGGCCGCTTTGGACAGTCGGTACACACGTCACG
 CAATTCACGGAAGCAGAACTCGTTTCAGGCAGCCTCAACGGAGATGCCAGTGGTAAAGA
 CTGAAACAAGGCACTCTTTATTTGGTACGTTTGACCTAACTGTATTGCCCTGGAGTAA
 GCCTTCAGTAGGATAAAAAGCACAACCTTCTCCTGTCCTATAATATGCTTTTCTTTATA
 TGGTCACGTTTGTCTGCACAGTAGAACCTAAAGTTAATCATTATCAGTGAGTAAAAA
 AATTACAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for BC010394 unedited
 AGCGTCAAATTTGTATACGACTCACTATAGGCGCCGCGAATTCGCATTACGGCCGGG
 AAGCAGAATGTGATTTGCTTGAAGATATGAGGACATTCAGTCAGAAGAAGGCTGCTATTG
 AAAGAGAGTATGCACAGTATTCATTGTATGGATATACCACAGTTTATCCATTTTCTGT
 TGATGGACATGGTATGCAGAAGTTGGCTAGTCAATACCTGAAGAGAGATTGGCCTGGAGT
 AAAAGCTGATGATCGGAATGATTACAGGAGCATGTATCCCGTTTGGAAATCTTTTCTCGA
 GGGAAACAATGCAGGTAGCCAGTCTCGGATGAATATATGTGAAAACATAAAAACTTCAT
 TTCTGAGCCTGCAAGGACAGTGAGAAGCTTAAAAGAACAGCAACTAAAAAGGTGTGTGGA
 CCAGTTGACAAAGATCCAACTGAATTACAAGAGACAGTGAAAGATTTAGCTAAAGGCAA
 AAAGAAATACTTTGAGACTGAACAGATGGCTCATGCAGTACGAGAGAAAGCTGACATCGA
 GGCAAAATCTAACTTAGTCTTTTTCAATCAAGAATCAGTTTACAGAAGGCAAGTGTAA
 GTTAAAAGCCCGCGATCTGAGTGTAAATCCAAAGCTACCCACGCAAGGAATGATTATCT
 TCTTACCCTAGCGGCAGCAAATGCACATCANGATCGCTACTATCAAACAGATTTAGTTAA
 CATTATGAAGGCTCTTGNATGGAATGTGTATGATCATCTCAAGGATATTTAATAGCCTTC
 AGCCCGACTGAGCTAGAAACATGCCAAGCTGTGCAGAACACATTCCAGTTTTTATTA
 AACTCCAGGCAGGTGGTCCGGGACTACAATCTTCAGCTGTGTTTGCAGGAAAC

Restriction Sites: Please inquire

ACCN:	BC010394
Insert Size:	1899 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:	BC010394.1 , AAH10394.1
RefSeq Size:	1899 bp
Locus ID:	9873
Cytogenetics:	11q13.4
Gene Summary:	Adapter protein that plays a role in endocytosis via clathrin-coated pits. Contributes to the internalization of cell surface receptors, such as integrin ITGB1 and transferrin receptor (PubMed:29887380). Promotes endocytosis of EGFR in cancer cells, and thereby contributes to the down-regulation of EGFR signaling (PubMed:30249660). Recruited to clathrin-coated pits during a mid-to-late stage of assembly, where it is required for normal progress from U-shaped intermediate stage pits to terminal, omega-shaped pits (PubMed:29887380). Binds to membranes enriched in phosphatidylinositol 3,4-bisphosphate or phosphatidylinositol 3,4,5-trisphosphate (PubMed:29887380). When bound to membranes, promotes actin polymerization via its interaction with WAS and/or WASL which leads to the activation of the Arp2/3 complex. Does not promote actin polymerisation in the absence of membranes (PubMed:29887380).[UniProtKB/Swiss-Prot Function]