

## Product datasheet for TP510309

### Fchsd2 (NM\_199012) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse FCH and double SH3 domains 2 (Fchsd2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR210309 protein sequence Red=Cloning site Green=Tags(s)

MRTFSQKKAARIERYAQGIQKLASQYLKRDWPGIKTDDRNDYRSMYPVWKSFLEGTMQVAQSRINICENY  
KNFISEPARAVRSLKEQQLKRCVDQLTKIQTELQETVKDLVKGKKKYFETEQMAHAVREKADIEAKSKLS  
LFQSRISLQKASVCLKARRSECNTKATHARNDYLLTAAANAHQDRYQTDLVNIMKALDGNVYDHLKDY  
LIAFSRTELETCQAIQNTFFQFLENSKVRDYNLQLFLQENAVFHKQPFPFQPCDSDSLKAAQLVDI  
ELSPVSALRMTIAESRQLESETGTTEEHSLNKEARKWATRVAREHKNIVHQQRVLNELECHGVALSEQSR  
AELEQKIDEARESIRKAEIILKAEARLDLLKQIGVSVDTWLKSAMNQVMEELENERWARPPAVTSNGTL  
HSLNADAEREEGEEFEDNMDVFDSSSSPSGTLRNYPLTCKVVYSYKASQPDELITIEHEVLEVIEDGDM  
EDVWKARNKVGQVGYVPEKYLQFPTSNSLLSMLQSLAALDSRSHTSSNSTEAELVSGSLNGDASVCFVKA  
LYDYGQTDDELSPFEGAIIRILNKENQDDDGFWEGEFSGRIGVFPVSVLVEELSAENGDPWTREIQIS  
PSPKPHSLPPLPLYDQPPSSPYSPDKRSSQFFPRSPSANENSLHAESPFGFSQASRQTPDTSYGKLRPV  
RAAPPPPTQNHRRTTEKMEDVEITLV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	82.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_950177</a>
<b>Locus ID:</b>	207278
<b>UniProt ID:</b>	<a href="#">Q3USJ8</a>
<b>RefSeq Size:</b>	4432
<b>Cytogenetics:</b>	7 E2
<b>RefSeq ORF:</b>	2181
<b>Synonyms:</b>	BC034086; mKIAA0769; R74866; Sh3md3
<b>Summary:</b>	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. Promotes endocytosis of EGFR in cancer cells, and thereby contributes to the down-regulation of EGFR signaling. 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. Binds to membranes enriched in phosphatidylinositol 3,4-bisphosphate or phosphatidylinositol 3,4,5-trisphosphate (By similarity). 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 (PubMed:23437151). Does not promote actin polymerisation in the absence of membranes (By similarity).[UniProtKB/Swiss-Prot Function]