

Recombinant Full Length human FCHSD2 protein, Flag-tagged

Cat. No. FCHSD2-08HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length human FCHSD2 protein,Flag-tagged, was expressed in HEK293T.
Species	Human
Source	HEK293
Description	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. 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.
Tag	Flag
Molecular Mass	77.6 kDa
AA Sequence	MQKLASQYLKRDWPGVKADDRNDYRSMYPVWKSFLEGTMQVAQSRMNICENYKN FISEPARTVRSLEQQ LKRCVDQLTKIQTELQETVKDLAKGKKKYFETEQMAHAVREKADIEAKSKLSLFQSRI

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

SLQKASVKLKAR
 RSECNSKATHARNDYLLTLAAANAHQDRYYQTDLVNIMKALDGNVYDHLKDYLIAFS
 RTELETCQAVQNT
 FQFLENSSKVVRDYNLQLFLQENAVFHKPQPFQFQPCSDTSRQLESETGTTEEH
 SLNKEARKWATRVA
 REHKNIVHQQRVLNDLECHGAAVSEQSRAELEQKIDEARENIRKAEIILKAEARLDL
 LKQIGVSVDTWL
 KSAMNQVMEELENERWARPPAVTSNGTLHSLNADTEREEGEEFEDNMDVFDDSSS
 SPSGTLRNYPLTCKV
 VYSYKASQPDELTIIEHEVLEVEDGDMEDWVKARNKVGQVGVPEKYLQFPTSNS
 LLSMLQSLAALDSR
 SHTSSNSTEAEVLVSGSLNGDASVCFVKALYDYGQTDDLSFPEGAIIRILNKENQD
 DDGFWEGEFNGRI
 GVFPVLVEELSASENGDTPWMREIQISPSPKPHASLPPLPLYDQPPSSPYSPDKR
 SSLYFPRSPSANE
 KSLHAESPGFSQASRHTPETSYGKLRPVRAAPPPTQNHRRPAEKIEDVEITLV
 TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Notes	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80°C.
Concentration	>0.05 µg/µL as determined by microplate BCA method

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Storage Buffer 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

GENE INFORMATION

Gene Name FCHSD2 FCH and double SH3 domains 2 [Homo sapiens (human)]

Official Symbol FCHSD2

Synonyms NWK,NWK1,SH3MD3,FCHSD2

Gene ID 9873

mRNA Refseq NM_014824

Protein Refseq NP_055639

MIM 617556

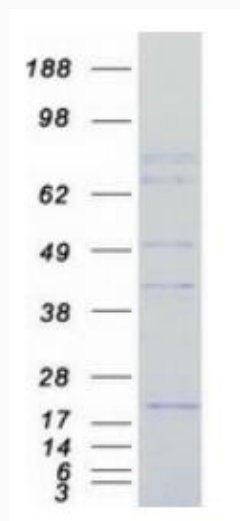
UniProt ID O94868

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Coomassie blue
staining of purified
FCHSD2 protein



SDS-PAGE and Coomassie Blue Staining

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