

Product datasheet for **TP307668L**

FCSK (NM_145059) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human fucokinase (FUK), 1 mg
Species: Human
Expression Host: HEK293T
Expression cDNA >RC207668 protein sequence
Clone or AA Sequence: Red=Cloning site Green=Tags(s)

MEQPKGVDWTVIILTCQYKDSVQVFQRELEVRQKREQIPAGTLLLAVEDPEKRVGSGGATLNALLVAAEH
 LSARAGFTVWTSVDLHSAWILILHMGRDFPFDDCGRAFTCLPVENPEAPVEALVCNLDCLLDIMTYRLGP
 GSPPGVWVCSTDMLLSVPANPGISWDSFRGARVIALPGSPAYAQNHGCVLTDPQGLVLDIYYQGTEAEIQ
 RCVRPDGRVPLVSGVFFSVETAERLLATHVSPPLDACTYLGLD SGARPVQLSLFFDILHCAENV TRED
 FLVGRPPELGQGDADVAGYLQSARAQLWREL RDQPLTMAYVSSGSYSYMTSSASEFLLSLTLPGAPGAQI
 VHSQVEEQQLLAAGSSVVSCLLEGPVQLGPGSVLQHCHLQGPPIHIGAGCLVTGLDTAHSKALHGREL RD
 VLQGHHTRLH GSPGHAF TLVGR LDSWERQ GAGTYL NVPWSEFFKRTGVRADWLWDPETLPAEYCLPSARL
 FV LHP SRELGPQDLLWMLDHQEDGGEALRAWRASWRLSWEQLQPCLDRAATLASRRDLFFRQALHKARH
 VLEARQDLSLRPLIWA AVREGCPG LLATLDQVAAGAGDPGVAARALACVADVLGCM AEGRGGLRSGPAA
 NPEWMRPFSYLECGDLAAGVEALAQERDKWLSRPALLVRAARHYEGAGQILIRQAVMSAQHFVSTEQVEL
 PGPQGWVVAECPARVDFSGGWS DTPPLAYELGGAVLGLAVRVDGRRPIGARARRIPEPELWLAVGPRQDE
 MTKIVCRCLADLRDYCQPHAPGALLKAAFICAGIVHVHSELQLSEQLLRTFGGGFELHTWSELPHGSGL
 GTSSILAGTALAALQRAAGR VVGTEALIHAVLHLEQVLT TGGGWQDQVGLM PGIKVGRSRAQLPLKVEV
 EEVTVPEGFVQKLN D HLLLVYTGKTRLARNLLQDVLRSWYARLP AVVQNAHSLVRQTEECAEGFRQGS LP
 LLGQCLTSYWEQKKLMAPGCEPLTVRRMMDV LAPHVHGQSLAGAGGGGFLYLLTKEPQQKEALEAVLAKT
 EGLGNYSIHLVEVD TQGLSLKLLGTEASTCCPFP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

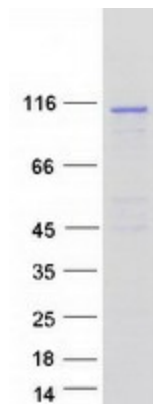
Tag: C-Myc/DDK
Predicted MW: 117.4 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_659496
Locus ID:	197258
UniProt ID:	Q8N0W3
RefSeq Size:	3923
Cytogenetics:	16q22.1
RefSeq ORF:	3252
Synonyms:	1110046B12Rik; CDGF2; FUK
Summary:	The protein encoded by this gene belongs to the GHMP (galacto-, homoserine, mevalonate and phosphomevalonate) kinase family and catalyzes the phosphorylation of L-fucose to form beta-L-fucose 1-phosphate. This enzyme catalyzes the first step in the utilization of free L-fucose in glycoprotein and glycolipid synthesis. L-fucose may be important in mediating a number of cell-cell interactions such as blood group antigen recognition, inflammation, and metastasis. While several transcript variants may exist for this gene, the full-length nature of only one has been described to date. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome
Protein Pathways:	Amino sugar and nucleotide sugar metabolism, Fructose and mannose metabolism, Metabolic pathways

Product images:



Coomassie blue staining of purified FCSK protein (Cat# [TP307668]). The protein was produced from HEK293T cells transfected with FCSK cDNA clone (Cat# [RC207668]) using MegaTran 2.0 (Cat# [TT210002]).