

## Product datasheet for **TP307668M**

### FCSK (NM\_145059) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human fucokinase (FUK), 100 µg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA** >RC207668 protein sequence  
**Clone or AA Sequence:** Red=Cloning site Green=Tags(s)

MEQPKGVDWTVIILTCQYKDSVQVFQRELEVRQKREQIPAGTLLLAVEDPEKRVGSGGATLNALLVAAEH  
LSARAGFTVWTSVDLHSAWILILHMGRDFPFDDCGRAFTCLPVENPEAPVEALVCNLDCLLDIMTYRLGP  
GSPPGVWVCSTDMLLSVPANPGISWDSFRGARVIALPGSPAYAQNHGCVYLTDPQGLVLDIYYQGTEAEIQ  
RCVRPDGRVPLVSGVFFSVETAERLLATHVSPPLDACTYLGLD SGARPVQLSLFFDILHCAENV TRED  
FLVGRPPELGQGDADVAGYLQSARAQLWREL RDQPLTMAYVSSGSYSYMTSSASEFLLSLTLPGAPGAQI  
VHSQVEEQQLLAAGSSVVSCLLEGPVQLGPGSVLQHCHLQGPPIHIGAGCLVTGLDTAHSKALHGREL RD  
VLQGHHTRLH GSPGHAF TLVGR LDSWERQ GAGTYL NVPWSEFFKRTGVRADWLWDPETLPAEYCLPSARL  
FPVLHPSRELGPQDLLWMLDHQEDGGEALRAWRASWRLSWEQLQPCLDRAATLASRRDLFFRQALHKARH  
VLEARQDLSLRPLIWA AVREGCPG LLATLDQVAAGAGDPGVAARALACVADVLGCM AEGRGGLRSGPAA  
NPEWMRPF SYLECGDLAAGVEAL AQERDKWLSRPALLVRAARHYEGAGQILIRQAVMSAQHFVSTEQVEL  
PGPGQWVAECPARVDFSGGWS DTPPLAYELGGAVLGLAVRVDGRRPIGARARRIPELWLVAVGPRQDE  
MTVKIVCRCLADLRDYCQPHAPGALLKAAFICAGIVHVHSELQLSEQLLRTFGGGFELHTWSELPHGSGL  
GTSSILAGTALAALQRAAGR VVGTEALIHAVLHLEQVLT TGGGWQDQV GGLMPGIKVGRSRAQLPLKVEV  
EEVTVPEGFVQKLN D HLLLVYTGKTRLARNLLQDVLRSWYARLP AVVQNAHSLVRQTEECAEGFRQGS LP  
LLGQCLTSYWEQKKL MAPGCEPLTVRRMMDV LAPHVHGQSLAGAGGGGFLLYLLTKEPQQKEALEAVLAKT  
EGLGNYSIHLVEVD TQGLSLKLLGTEASTCCPFP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

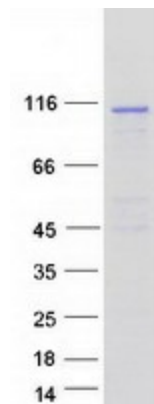
**Tag:** C-Myc/DDK  
**Predicted MW:** 117.4 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining  
**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<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_659496</a>
<b>Locus ID:</b>	197258
<b>UniProt ID:</b>	<a href="#">Q8N0W3</a>
<b>RefSeq Size:</b>	3923
<b>Cytogenetics:</b>	16q22.1
<b>RefSeq ORF:</b>	3252
<b>Synonyms:</b>	1110046B12Rik; CDGF2; FUK
<b>Summary:</b>	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]
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	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]).