

## Product datasheet for PH307668

### FCSK (NM\_145059) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	FUK MS Standard C13 and N15-labeled recombinant protein (NP_659496)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207668
Predicted MW:	117.6 kDa
Protein Sequence:	>RC207668 protein sequence Red=Cloning site Green=Tags(s)

MEQPKGVDWTVIILTCQYKDSVQVFQRELEVRQKREQIPAGTLLLAVEDPEKRVGSGGATLNALLVAAEH  
LSARAGFTVVTSVDLHSAWILILHMGRDFPFDDCGRAFTCLPVENPEAPVEALVCNLDCLLDIMTYRLGP  
GSPPGVWCSTDMLLSVPANPGISWDSFRGARVIALPGSPAYAQNHGYYLTDPPQLVLDIYYQGTEAEIQ  
RCVRPDGRVPLVSGVVFVSVETAERLLATHVSPPLDACTYLGLDSGARPVQLSLFFDILHCAENVTRD  
FLVGRPPELGQGDADVAGYLQSARAQLWRELRDQPLTMAYVSSGSYSYMTSSASEFLLSLTLPGAPGAQI  
VHSQVEEQQLLAAGSSVVSCLLEGPVQLGPGSVLQHCHLQGPPIHIGAGCLVTGLTAHSKALHGRELRLD  
VLQGHHTRLHGSPGHAF TLVGRLD SWERQAGTYL NVPWSEFFKRTGVRAWDLWDPETLPAEYCLPSARL  
FPVLHPSRELGPQDLLWMLDHQEDGGEALRAWRASWRLSWEQLQPCLDRAATLASRRDLFFRQALHKARH  
VLEARQDLSLRPLIWAAVREGCPGPELLATLDQVAAGAGDPGVAARALACVADVLGCMAGRGGRLRSGPAA  
NPEWMPFVSYLECGDLAAGVEALAQERDKWLSRPALLVRAARHYEGAGQILIRQAVMSAQHFVSTEQVEL  
PGPGQWVVAECPARVDFSGGWSDTPLAYELGGAVLGLAVRVDGRRPIGARARRIPEPELWLVGPRQDE  
MTVKIVCRCLADLRDYCQPHAPGALLKAAFCAGIVHVHSELQLEQLLRTFGGGFELHTWSELPHGSL  
GTSSILAGTALAALQRAAGRVTGTEALIHAVLHLEQVLTGGGWQDQVGGMLPGIKVGRSRAQLPLKVEV  
EEVTVPEGFVQKLNHLLLVYTGKTRLARNLLQDVLRSWYARLPAVVQNAHSLVRQTEECAEGFRQGS  
LLGQCLTSYWEQKLMAPGCEPLTVRRMDVLAHVHGQSLAGAGGGGFLYLLTKEPQQEALAVLAKT  
EGLGNYSIHLVEVDTQGLSLKLLGTEASTCCPFP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

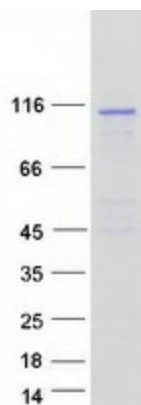
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3



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<b>Storage:</b>	Store at -80°C. Avoid repeated freeze-thaw cycles.
<b>Stability:</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>RefSeq:</b>	<a href="#">NP_659496</a>
<b>RefSeq Size:</b>	3923
<b>RefSeq ORF:</b>	3252
<b>Synonyms:</b>	1110046B12Rik; CDGF2; FUK
<b>Locus ID:</b>	197258
<b>UniProt ID:</b>	<a href="#">Q8N0W3</a>
<b>Cytogenetics:</b>	16q22.1
<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]).