Recombinant Human FUK cell lysate

Cat. No. FUK-676HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Description	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 metastatis. While several transcript variants may exist for this gene, the full-length nature of only one has been described to date.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	FUK fucokinase [Homo sapiens]
Official Symbol	FUK

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Synonyms	FUK; fucokinase; L-fucose kinase; FLJ39408; L fucose kinase; 1110046B12Rik;
Gene ID	197258
mRNA Refseq	NM_145059
Protein Refseq	NP_659496
MIM	608675
UniProt ID	Q8N0W3
Chromosome Location	16q22.1
Pathway	Amino sugar and nucleotide sugar metabolism, organism-specific biosystem; Amino sugar and nucleotide sugar metabolism, conserved biosystem; Fructose and mannose metabolism, organism-specific biosystem; Fructose and mannose metabolism, conserved biosystem; GDP-L-fucose biosynthesis II (from L-fucose), organism-specific biosystem; Metabolic pathways, organism-specific biosystem;
Function	ATP binding; fucokinase activity; nucleotide binding;

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