

Recombinant Human FUK Protein, MYC/DDK-tagged

Cat. No. FUK-2660H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FUK protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
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 metastasis. While several transcript variants may exist for this gene, the full-length nature of only one has been described to date.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	117.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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Gene Name	FUK fucokinase [Homo sapiens]
Official Symbol	FUK
Synonyms	1110046B12Rik; 1110046B12Rik
Gene ID	197258
mRNA Refseq	NM_145059
Protein Refseq	NP_659496
MIM	608675
UniProt ID	Q8NOW3

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