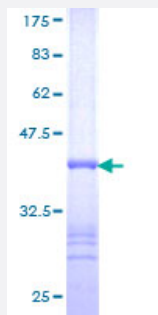


FUK (Human) Recombinant Protein (Q01)

Catalog # H00197258-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human FUK partial ORF (NP_659496, 169 a.a. - 279 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	RGARVIALPGSPAYAQNHGVYLTDPQGLVLDIYYQGTEAEIQRCVRPDGRVPLVSGVFFSVETAE RLLATHVSPPLDACTYLGLDSGARPVQLSLFFDILHCMAENVTRE
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.95
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — FUK

Entrez GeneID [197258](#)

GeneBank Accession# [NM_145059](#)

Protein Accession# [NP_659496](#)

Gene Name FUK

Gene Alias 1110046B12Rik, FLJ39408

Gene Description fucokinase

Omim ID [608675](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene belongs to the GHMP (galacto-, homoserine, mevalonate and p hosphomevalonate) 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]

Other Designations L-fucose kinase|OTTHUMP00000082728

Pathway

- [Amino sugar and nucleotide sugar metabolism](#)
- [Fructose and mannose metabolism](#)
- [Metabolic pathways](#)