Recombinant Full Length Human GUK1 Protein, GST-tagged

Cat. No. GUK1-3348HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GUK1 full-length ORF (AAH06249, 1 a.a. - 197 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	197 amino acids
Description	The protein encoded by this gene is an enzyme that catalyzes the transfer of a phosphate group from ATP to guanosine monophosphate (GMP) to form guanosine diphosphate (GDP). The encoded protein is thought to be a good target for cancer chemotherapy. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2011]
Molecular Mass	47.41 kDa
AA Sequence	MSGPRPVVLSGPSGAGKSTLLKRLLQEHSGIFGFSVSHTTRNPRPGEENGKDYYFV TREVMQRDIAAGDFIEHAEFSGNLYGTSKVAVQAVQAMNRICVLDVDLQGVRNIKAT DLRPIYISVQPPSLHVLEQRLRQRNTETEESLVKRLAAAQADMESSKEPGLFDVVIIN DSLDQAYAELKEALSEEIKKAQRTGA
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production

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	Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	GUK1 guanylate kinase 1 [Homo sapiens]
Official Symbol	GUK1
Synonyms	GUK1; guanylate kinase 1; guanylate kinase; GMP kinase; ATP:GMP phosphotransferase; GMK; FLJ42686; FLJ43710;
Gene ID	2987
mRNA Refseq	NM_000858
Protein Refseq	NP_000849
MIM	139270
UniProt ID	Q16774

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