Recombinant Human GK5, GST-tagged

Cat. No. GK5-13287H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GK5 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-301a.a.
Description	The product of this gene is part of a large complex localized to the cytoplasm, nucleoli, and to discrete nuclear bodies called Gemini bodies (gems). The complex functions in spliceosomal snRNP assembly in the cytoplasm, and regenerates spliceosomes required for pre-mRNA splicing in the nucleus. The encoded protein directly interacts with a DEAD box protein and several spliceosome core proteins. Alternatively spliced transcript variants have been described, but their biological validity has not been determined.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100,15%glycerol

GENE INFORMATION

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Gene Name	GK5 glycerol kinase 5 (putative) [Homo sapiens]
Official Symbol	GK5
Synonyms	GK5; glycerol kinase 5 (putative); putative glycerol kinase 5; MGC40579; GK 5; glycerokinase 5; ATP:glycerol 3-phosphotransferase 5; FLJ33582; FLJ45739;
Gene ID	256356
mRNA Refseq	NM_001039547
Protein Refseq	NP_001034636
UniProt ID	Q6ZS86
Chromosome Location	3q23
Pathway	glycerol degradation I, organism-specific biosystem;
Function	ATP binding; glycerol kinase activity; nucleotide binding; transferase activity;

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