

Recombinant Human GK5, GST-tagged

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

SPECIFICATION

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| 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°C. Avoid repeated freezing and thawing cycles. |
| Storage Buffer | 1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 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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