

Product datasheet for **TP302510**

Guanylate kinase (GUK1) (NM_000858) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human guanylate kinase 1 (GUK1), 20 µg

Species: Human

Expression Host: HEK293T

**Expression cDNA Clone
or AA Sequence:** >RC202510 protein sequence
Red=Cloning site **Green**=Tags(s)

MSGPRPVVLSGSPGAGKSTLLKRLQEHSGIFGFSVSHTRNPRPGEENGKDYYFVTREVMQRDIAAGDF
IEHAEFSGNLYGTSKVAVQAVQAMNRCVLDVDLQGVNRNIKATDLRPIYISVQPPSLHVLEQRLRQRNTE
TEESLVKRLAAQADMESKEPGLFDVVIINDSLDQAYAEKKEALSEEIKKAQRTGA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 21.5 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_000849](#)

Locus ID: 2987

UniProt ID: [Q16774](#), [Q6IBG8](#)

RefSeq Size: 1155



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Cytogenetics: 1q42.13

RefSeq ORF: 591

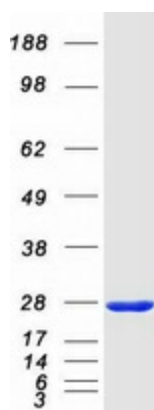
Synonyms: GMK

Summary: 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]

Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Purine metabolism

Product images:



Coomassie blue staining of purified GUK1 protein (Cat# TP302510). The protein was produced from HEK293T cells transfected with GUK1 cDNA clone (Cat# [RC202510]) using MegaTran 2.0 (Cat# [TT210002]).