

# Human GUK1 Recombinant Protein



RPPB2546

## Product Information Protein Information

### Product SKU:

RPPB2546

### Accession:

Q16774

### Host:

Escherichia Coli.

### Protein description:

GUK1 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 217 amino acids (1-197 a.a.) and having a total molecular mass of 23.9 kDa. GUK1 is fused to a 20 amino acid His Tag at N-terminus and is purified by proprietary chromatographic techniques.

### Appearance:

Sterile Filtered colorless clear solution.

### Synonyms:

GMK, GMP kinase.

### Formulation:

The GUK1 1mg/ml protein solution contains 20mM Tris-HCl pH-8, 1mM DTT, 0.1M NaCl and 10% Glycerol.

### Purity:

Greater than 90.0% as determined by SDS-PAGE.

### Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze thaw cycles.

### Amino Acid Sequence:

MGSSHHHHHH SGLVPRGSH MSGPRPVLS GPSGAGKSTL LKRLQEHSG IFGFSVSHTT RNPRPGEENG  
KDYFVTREV MQRDIAAGDF IEHAEFSGNL YGTSKVAVQA VQAMNRCVL DVDLQGVRI KATDLRPIYI  
SVQPPSLHVL EQRLRQRNTE TEESLVKRLA AAQADMESK EPGLFDVII NDSLQAYAE LKEALSEEIK  
KAQRTGA.

### Biological Activity:

Specific activity is > 100 units/mg and is defined as the amount of enzyme that convert 1.0 umole of GMP and ATP to GDP and ADP per minute at pH 7.5 at 37C in coupled system with PK/LDH.