

## Guanosine Kinase (EaGSK)

### Product Information

|                                 |                                                                                                                                                                                                                                                                                                         |
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| <b>Cat#</b>                     | DIA-737                                                                                                                                                                                                                                                                                                 |
| <b>Descriptions</b>             | Guanosine kinase (EaGSK) of microbial origin catalyzes the ATP-dependent phosphorylation of guanosine and deoxyguanosine to generate corresponding nucleoside monophosphates, participates in the purine salvage pathway, and supports nucleoside biotransformation and nucleotide metabolism research. |
| <b>Applications</b>             | Guanosine kinase (EaGSK) is suitable for purine salvage metabolism detection kits and nucleoside biotransformation assay reagent development.                                                                                                                                                           |
| <b>CAS No.</b>                  | 127-1-73                                                                                                                                                                                                                                                                                                |
| <b>Enzyme Commission Number</b> | EC 2.7.1.73                                                                                                                                                                                                                                                                                             |
| <b>Reaction</b>                 | ATP + guanosine = ADP + GMP + H <sup>+</sup>                                                                                                                                                                                                                                                            |
| <b>Activity Definition</b>      | One unit is defined as the amount of enzyme that catalyzes the formation of 1 μmol of GMP from ATP and guanosine at 37°C.                                                                                                                                                                               |