

# Product Datasheet

## Recombinant Human Guanylate kinase Protein NBP2-52621

Unit Size: 50 ug

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-52621****Recombinant Human Guanylate kinase Protein****Product Information**

<b>Unit Size</b>	50 ug
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Preservative</b>	No Preservative
<b>Purity</b>	>90%, by SDS-PAGE
<b>Buffer</b>	20 mM Tris-HCl buffer (pH 8.0), 10% glycerol, 1 mM DTT, 0.1 M NaCl
<b>Target Molecular Weight</b>	23.9 kDa

**Product Description**

<b>Description</b>	<p>A bioactive recombinant protein with a N-Terminal His-tag and corresponding to the amino acids 1-197 of Human Guanylate kinase</p> <p><b>Source:</b> <i>E.coli</i></p> <p><b>Amino Acid Sequence:</b> MGSSHHHHHH SSGLVPRGSH MSGPRPVVLS GPSGAGKSTL LKRLLEHSG IFGFSVSHTT RNPRPGEENG KDYYFVTREV MQRDIAAGDF IEHAEFSGNL YGTSKVAVQA VQAMNRCVL DVDLQGVRNI KATDLRPIYI SVQPPSLHVL EQRLRQRNTE TEESLVKRLA AAQADMESK EPGLFDVVII NDSLDAQAYAE LKEALSEEIK KAQRTGA</p>
<b>Gene ID</b>	2987
<b>Gene Symbol</b>	GUK1
<b>Species</b>	Human
<b>Details of Functionality</b>	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.

**Product Application Details**

<b>Applications</b>	Functional, SDS-Page, Bioactivity
<b>Recommended Dilutions</b>	Functional, SDS-Page, Bioactivity





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. This product is guaranteed for 1 year from date of receipt.

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