

Glucose-6-Phosphate Dehydrogenase



Product description	Glucose-6-Phosphate Dehydrogenase
Product code	G6PDH
Use	The product is supplied for invitro use only. To be used for research and/or further manufacturing purposes and is not to be used in humans or animals.
Data guidance	Performance of recombinant Glucose-6-Phosphate Dehydrogenase was assessed for activity, purity, temperature and pH optimums.

Performance metrics

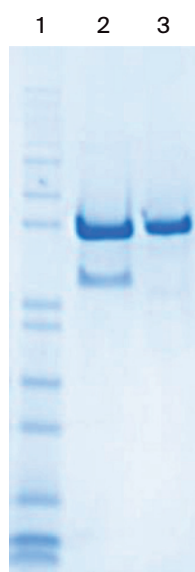
Performance evaluation	Result
Purity	>90% See section A
Activity	>200 U/mg material See section B
Temperature profile	Maximum activity at 40 °C See section C
pH profile	Maximum activity at pH 8.5 See section D



Contact our technical team to discuss your needs today:
technicalsupport@bbisolutions.com

Section A - Purity

G6PDH was assessed by SDS-PAGE alongside a commercially available competitor enzyme to demonstrate purity.



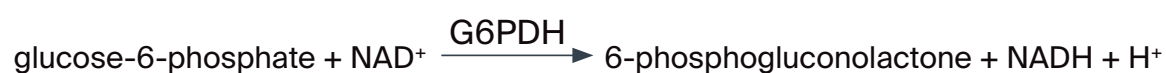
Lane 1: Molecular weight marker

Lane 2: Commercially available competitor material

Lane 3: BBI G6PDH

Section B - Activity

Enzyme activity was assessed using the enzymatic reaction outlined below. Undesired cross reactivities were tested to demonstrate relative activity by percentage.



Analyte	Specification	Result (lot 250027)
G6PDH	>200 U/mg material	288 U/mg
Hexokinase	<0.5% comparative activity	0.027 U/mg (0.0095%)
Creatine phosphokinase	<0.5% comparative activity	0.004 U/mg (0.00016%)



Contact our technical team to discuss your needs today:

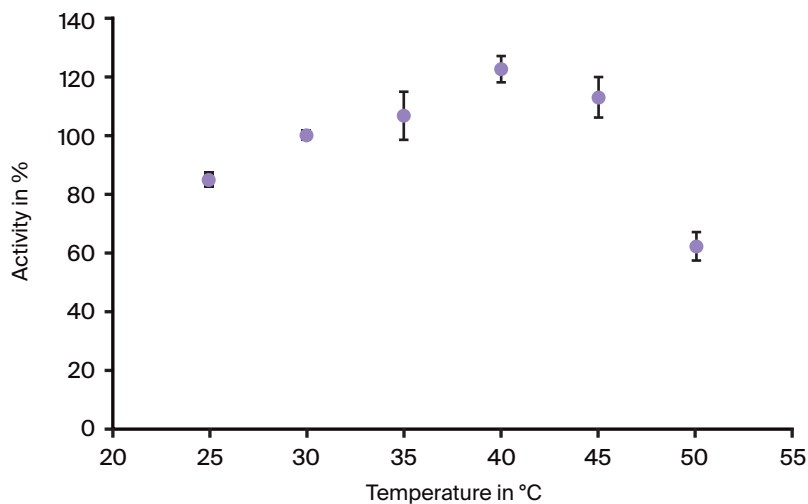
technicalsupport@bbisolutions.com

Int: +44 (0)1495 363 000 USA: +1 888 222 4149 China: +86 (0)21 6104 2216

Mar 2026/V1

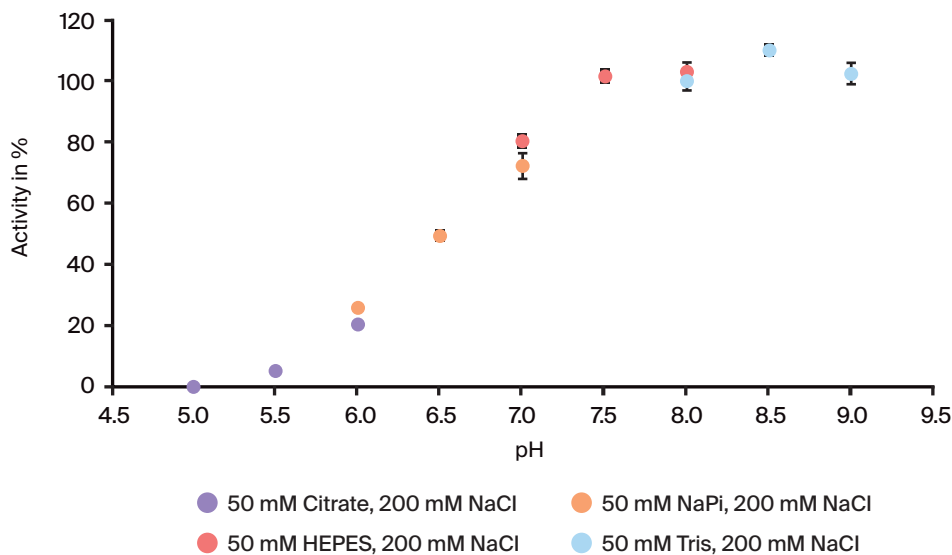
Section C - Temperature Profile

Percentage of maximum activity was measured across a range of temperatures, with each temperature tested in triplicate.



Section D - pH Profile

Percentage of maximum activity was tested across a wide pH range and variety of buffers, with each pH and different buffer across the pH range tested in triplicate.



Contact our technical team to discuss your needs today:

technicalsupport@bbisolutions.com

Int: +44 (0)1495 363 000 USA: +1 888 222 4149 China: +86 (0)21 6104 2216