

GDH

Glucose 1-Dehydrogenase *Sulfolobus acidocaldarius*, recombinant

PRODUCT DESCRIPTION

Description	<p>EC 1.1.1.47</p> <p>Thermostable GDH from <i>S.acidocaldarius</i> is expressed in <i>E.coli</i> with a 6xHis tag and then purified. It catalyzes the reaction :</p> <p>Beta-D-glucose + NAD(P)(+) \rightleftharpoons D-glucono-1,5-lactone + NAD(P)H</p>
Specific activity	<p>Enzymatic activity is > 90 units/mg as evaluated for each batch production.</p> <p>One unit will reduce 1 μmol NAD per minute at pH 7,5 at 70°C.</p>

QUALITY CONTROL

Purity	<p>Purity of over-expressed recombinant GDH is greater than 80% as evaluated for each batch production by densitometric analysis on SDS-PAGE stained with Coomassie Blue.</p>
Concentration	<p>Evaluated by spectrophotometric quantitation (Bradford method)</p>

Catalogue n°	Price (€)*	Size (mg)
GDH-2	750	2
GDH-5	980	5
GDH-10	1280	10
GDH-20	1650	20
	Inquire	>20
*carriage free		

STORAGE AND PREPARATION

Storage temperature	GDH is stored as lyophilized powder at -20°C.
Storage buffer	50 mM Na*PO4 pH 7,5 ; 250 mM NaCl
Stability	1 year

FOR RESEARCH USE ONLY

Please, contact us with any question:
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