

Product Datasheet

Recombinant *E. coli* MDH1 His Protein NBP1-99038-100ug

Unit Size: 100 ug

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

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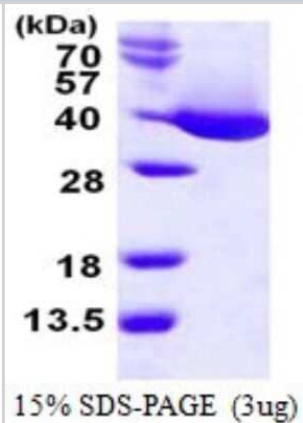
NBP1-99038-100ug

Recombinant E. coli MDH1 His Protein

Product Information	
Unit Size	100 ug
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Preservative	No Preservative
Purity	>95%, by SDS-PAGE
Buffer	20 mM Tris-HCl buffer (pH 8.0), 1 mM DTT, 10% glycerol, 50 mM NaCl
Target Molecular Weight	34.9 kDa
Product Description	
Description	<p>A bioactive recombinant protein with a N-Terminal His-tag and corresponding to the amino acids 1-312 of E.coli MDH1</p> <p>Source: <i>E.coli</i></p> <p>Amino Acid Sequence: MGSSHHHHHH SGLVPRGSH MGSHMKVAVL GAAGGIGQAL ALLLKTQLPS GSELSLYDIA PVTPGVAVDL SHIPTAVKIK GFSGEDATPA LEGADVLLIS AGVARKPGMD RSDLFNVNAG IVKNLVQQVA KTCPKACIGI ITNPVNTTVA IAAEVLKKGAG VYDKNKLFV TTDIIRSNT FVAELKGKQP GEVEVPVIGG HSGVTILPLL SQVPGVSFTE QEVADLTKRI QNAGTEVVEA KAGGGSATLS MGQAAARFGL SLVRALQGEQ GVVECAYVEG DGQYARFFSQ PLLLGKNGVE ERKSIGTLA FEQNALEGML DTLKKDIALG EEFVNK</p>
Gene ID	4190
Gene Symbol	MDH1
Species	E. coli
Details of Functionality	Specific activity is > 1000 units/mg, and is defined as the amount of enzyme that cleaves 1umole of oxalacetate and beta-NADH to L-malate and beta-NAD per minute at pH8.0 at 37C.
Product Application Details	
Applications	SDS-Page, Enzyme Activity
Recommended Dilutions	SDS-Page, Enzyme Activity

Images

SDS-Page: Recombinant E. coli MDH1 Protein [NBP1-99038] - 15%
SDS-PAGE (3ug)



Procedures

SDS-Page protocol for MDH1 Recombinant Protein (NBP1-99038)

SDS-PAGE (NBP1-99038):

1. Prepare a 1.45 ml assay buffer. The final concentrations are 100 mM Potassium phosphate, 0.13mM beta-nicotinamide adenine dinucleotide, reduced form, 0.25mM oxalacetic acid. <p/>
2. Add 50 ul of recombinant MDH protein with various concentrations (0.015 ug, 0.03 ug) in assay buffer. <p/>
3. Mix by inversion and record the decrease at A340nm for approximately 5 minutes.





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Products Related to NBP1-99038-100ug

NBP1-45315-0.1mg	Recombinant Human MDH1 His Protein
MAB1455	Albumin Antibody (188835) [Unconjugated] - Serum
NBP1-89515	MDH1 Antibody
NBP1-48336	Lactate Dehydrogenase A/LDHA Antibody - BSA Free

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