

Product Datasheet

Recombinant Human UDP glucose dehydrogenase His Protein

NBP1-45276-0.05mg

Unit Size: 0.05 mg

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

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NBP1-45276-0.05mg**Recombinant Human UDP glucose dehydrogenase His Protein**

Product Information	
Unit Size	0.05 mg
Concentration	0.5 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), 20% glycerol, 1 mM DTT, 0.1 M NaCl, and 1 mM EDTA.
Target Molecular Weight	59.5 kDa

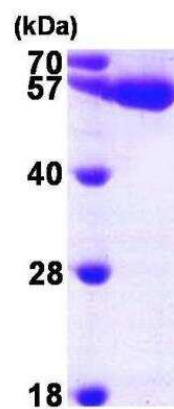
Product Description	
Description	A bioactive recombinant protein with a N-Terminal His-tag and corresponding to the amino acids 1-494 of Human UDP glucose dehydrogenase Source: <i>E.coli</i> Amino Acid Sequence: MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSELEM FEIKKICIG AGYVGGPTCS VIAHMCPEIR VTVVDVNESR INAWNSPTLP IYEPGLKEVV ESCRGKNLFF STNIDDAIKE ADLVFISVNT PTKTYGMGKG RAADLKYIEA CARRIVQNSN GYKIVTEKST VPVRAAESIR RIFDANTKPN LNLQVLSNPE FLAEGTAIKD LKNPDRVLIG GDETPEGQRA VQALCAVYEH WVPREKILTT NTWSSELSKL AANAFLAQRI SSINSISALC EATGADVEEV ATAIGMDQRI GNKFLKASVG FGGSCFQKDV LNLVYLCEAL NLPEVARYWQ QVIDMNDYQR RRFASRIIDS LFNTVTDKKI AILGFAFKKD TGDRESSSI YISKYLMDEG AHLHIYDPKV PREQIVVDLS HPGVSEDDQV SRLVTISKDP YEACDGAHAV VICTEWDMMFK ELDYERIHKK MLKPAFIFDG RRVLDGLHNE LQTIGFQIET IGKKVSSKRI PYAPSGEIPK FSLQDPPNKK PKV
Gene ID	7358
Gene Symbol	UGDH
Species	Human
Details of Functionality	Specific activity is > 2500 pmol/min/ug, and is defined as the amount of enzyme that convert 1.0pmole of UDP-glucose to UDP-glucuronate per minute at pH 8.7 at 37C.

Product Application Details	
Applications	SDS-Page, Enzyme Activity
Recommended Dilutions	SDS-Page, Enzyme Activity



Images

SDS-Page: Recombinant Human UDP glucose dehydrogenase Protein [NBP1-45276] - 15% SDS-PAGE (3ug)



Procedures

SDS-Page protocol for UDP glucose dehydrogenase Biologically Active Protein (NBP1-45276)

SDS-PAGE (NBP1-45276):

1. Prepare a 1470 ul assay buffer. The final concentrations are 93mM Tris-HCl (pH 8.0), 0.2mM UDPG, and 1mM beta-NAD.

2. Add 20 ul of recombinant protein UGDH with 1 ug, 2 ug and 5 ug in assay buffer

3. Mix by inversion and load 200 ul of reaction mix in to a plate well.

4. Record the decrease in A340nm for 5 minutes at 25C





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Products Related to NBP1-45276-0.05mg

NBP2-61452-5ug	Recombinant Mouse UDP glucose dehydrogenase His Protein
MAB1417	Insulin Antibody (182410) [Unconjugated]
NBP1-90906	UDP glucose dehydrogenase Antibody
NBP1-87069	SDHB Antibody

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