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UgDH, 1-494aa, Human, His tag, E.coli

产品货号: TP04420

第三版

别名:GDH, UDP-GlcDH, UDPGDH, UGD, UDP-glucose dehydrogenase, UDP-glucose 6-dehydrogenase

描述:UGDH is a member of the UDP-glucose/GDP-mannose dehydrogenase family and is a ubiquitously expressed protein most abundant in the liver. This protein converts UDP-glucose to UDP-glucuronate and thereby participates in the biosynthesis of glycosaminoglycans such as hyaluronan, chondroitin sulfate, and heparan sulfate. These glycosylated compounds are common components of the extracellular matrix and likely play roles in signal transduction, cell migration, and cancer growth and metastasis. Recombinant human UGDH protein, fused to his-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques

配方:Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 20% glycerol, 1mM DTT, 0.1M NaCl, and 1mM EDTA.

分子量:59.5 kDa (533aa) confirmed by MALDI-TOF

序列:

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSELEMFEIKKICCGAGYVGGPTCSVIAHMCPEIRVTVVDV
NESRINAWNSPTLPIYEPGLKEVVESCRGKNLFFSTNIDDAIKEADLVFISVNTPTKTYGMGKGRAADLKYEACARRIVQN
SNGYKIVTEKSTVPVRAAESIRRIDANTKPNLNLQVLSNPEFLAEGTAIKDLKNPDRVLIGGETPEGQRAVQALCAVYEH
WVPREKILTTNTWSELSKLAANAFLAQRSSINSISALCEATGADVEEVATAIGMDQRIGNKFLKASVGGGSCFQKDVLN
LVYLCEALNLPEVARYWQQVIDMNDYQRRRFASRIIDSLFNTVTDKKIAILGF AFKKDTGDTRESSSIYISKYLMDEGAHLHI
YDPKVPREQIVVDLSHPGVSEDDQVSRSLVTISKDPYEACDGAHAVVICTEWD MFKELDYERIHKKMLKPAFIFDGRRVLD
GLHNELQTIGFQIETIGKKVSSKRIPYAPSGEIPKFSLQDPPNKKPKV

纯度:> 95% by HPLC

浓度:0.5 mg/ml (determined by Bradford assay)

内毒素:<1.0 EU per 1 ug of protein (determined by LAL method)

存储:+4 ° C 保存 (1-2 周). 长期保存在-20 ° C或者-70 ° C. 避免反复冻融.