

Human recombinant protein UGDH
Human Recombinant UGDH
Catalog # PBV10604r**Specification****Human recombinant protein UGDH - Product info**

Primary Accession	O60701
Concentration	0.5
Calculated MW	59.5 kDa (533 aa, 1-494 aa + NT His-Tag) KDa

Human recombinant protein UGDH - Additional Info

Gene ID	7358
Gene Symbol	UGDH
Other Names	
UDP-glucose dehydrogenase, GDH, UDP-GlcDH, UDPGDH, UGD.	

Gene Source	Human
Source	E. Coli
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	N/A;
Recombinant	Yes
Results	>0.1 unit/ml
Sequence	MRGSHHHHHH GMASMTGGGQ MGRDLYDDDD KDRWGSELEM FEIKKICIG AGYVGGPTCS VIAHMCPEIR VTVVDVNESR INAWNSPTLP IYEPGLKEVV ESCRGNLFF 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

Format
Liquid**Storage**

-80°C; 0.5 mg/ml solution in 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 1 mM DTT, 0.1 M NaCl, and 1 mM EDTA.

Human recombinant protein UGDH - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human recombinant protein UGDH - Images

Human recombinant protein UGDH - Background

UGDH is part of the UDP-glucose/GDP-mannose dehydrogenase family and is a widely expressed enzyme localized in the liver. UGDH transfers UDP-glucose to UDP-glucuronate and thus takes part in the biosynthesis of glycosaminoglycans such as hyaluronan, chondroitin sulfate, and heparan sulfate. These glycosylated products are ordinary molecules of the extracellular matrix and participate in signal transduction, cell migration, and cancer growth and metastasis.

Human recombinant protein UGDH - References

Spicer A.P., et al. J. Biol. Chem. 273:25117-25124(1998).
Peng H.L., et al. Proc. Natl. Sci. Counc. Repub. China, B, Life Sci. 22:166-172(1998).
Chang M.L., et al. Submitted (FEB-2000) to the EMBL/GenBank/DDBJ databases.
Ota T., et al. Nat. Genet. 36:40-45(2004).
Hillier L.W., et al. Nature 434:724-731(2005).