

UDP-Glucose Dehydrogenase Recombinant Protein | UGDH recombinant protein

Recombinant Human UDP-Glucose Dehydrogenase

CATALOG # AAA38829	HOST E Coli
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PRODUCT SYNONYMS

UDP-Glucose Dehydrogenase; Recombinant Human UDP-Glucose Dehydrogenase; UGDH Human; UDP-Glucose Dehydrogenase Human Recombinant; GDH; UDP-GlcDH; UDPGDH; UGD; EC=1.1.1.22; UDP-Glc dehydrogenase; UDP-glucose 6-dehydrogenase; UGDH; UGDH recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	UGDH Human solution (0.5mg/ml) containing 20mM Tris-HCl pH-8, 1mM DTT, 1mM EDTA, 0.1M NaCl & 20% glycerol. Sterile filtered colorless solution.
Sequence	MRGSHHH HHHGMASMTG GQQMGRDLYD DDDKDRWGSE LEMFEI KKICIGAGY VGGPTCSVIA HMCPEIRVTV VDVNESRINA WNSPTLPIYE PGLKEVVESC RGKNLFFSTN IDDAIKEADL VFISVNTPTK TYGMGKGRAA DLKYIEACAR RIVQNSNGYK IVTEKSTVPV RAAESIRRIFF DANTKPNLNL QVLSNPEFLA EGTAIKDLKN PDRVLIGGDE TPEGQRAVQA LCAVYEHWVP REKILTTNTW SSEL SKLAAN AFLAQRISI NSISALCEAT GADVEEVATA IGMDQRIGNK FLKASVGF GG SCFQKDV LNL VYLCEALNLP EVARYWQQVI DMNDYQRRRF ASRIIDSLFN TVTDKKIAIL GFAFKKDTGD TRESSSIYIS KYLMDEGAHL HIYDPKVPRE QIVVDLSHPG VSEDDQVSRL VTISKDPYEA CDGAHAVVIC TEWDMFKELD YERIHKKMLK PAFIFDGRRV LDGLHNELQT IGFQIETIGK KVSSKRIPYA PSGEIPKFSL QDPPNKKPKV
Sequence Length	427
Preparation and Storage	Store at 4°C if entire vial will be used withing 2-4 weeks. Store, frozen at -20°C for longer periods of times. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for UGDH recombinant protein	Description: UGDH Recombinant Human produced in E Coli is a single, non-glycosylated polypeptide chain containing 533 amino acids (1-494 a.a.) and having a molecular mass of 59.5 kDa. The UGDH is fused to 39 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. Introduction: 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.
Product Categories/Family for UGDH recombinant protein	Enzymes; Dehydrogenase

NCBI AND UNIPROT INFORMATION

NCBI GI #	296040443
NCBI GeneID	7358

NCBI Accession #	NP_001171629.1
NCBI GenBank Nucleotide #	NM_001184700.1
UniProt Accession #	O60701 ; O60589 ; B3KUU2 ; B4DN25
NCBI Official Full Name	UDP-glucose 6-dehydrogenase isoform 2
NCBI Official Synonym Full Names	UDP-glucose 6-dehydrogenase
NCBI Official Symbol	UGDH
NCBI Official Synonym Symbols	GDH; UGD; UDPGDH; UDP-GlcDH
NCBI Protein Information	UDP-glucose 6-dehydrogenase; UDP-Glc dehydrogenase; UDP-glucose dehydrogenase; uridine diphospho-glucose dehydrogenase
UniProt Protein Name	UDP-glucose 6-dehydrogenase
UniProt Gene Name	UGDH
UniProt Synonym Gene Names	UDP-Glc dehydrogenase; UDP-GlcDH; UDPGDH
UniProt Entry Name	UGDH_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ugdh-recombinant-protein-e-coli/38829>