

## UGDH Protein, Human, Recombinant (His & SUMO)

### General Information

Synonyms:	UDP-Glc dehydrogenase;UDP-glucose 6-dehydrogenase;UDPGDH;UGDH;UDP-GlcDH
Protein Construction:	1-494 aa
Species:	Human
Expression Host:	E. coli
Accession:	O60701
Molecular Weight:	71.0 kDa (predicted)
AA Sequence:	MFEIKKICCGAGYVGGPTCSVIAHMCPEIRVTVDVNESRINAWNSPTLPIYEPGLKEVVESCRGKNLFFSTNID DAIKEADLVFISVNTPTKTYGMGKGRAADLKYIEACARRIVQNSNGYKIVTEKSTVPVRAAESIRRIFDANTKPN LNLQVLSNPEFLAEGTAIKDLKNPDRVLIGGDETPEGQRAVQALCAVYEHWVPREKILTTNTWSSELSKLAAN AFLAQRISINSISALCEATGADVEEVATAIGMDQRIGNKFLKASVGFGGSCFQKDVNLNLVYLCEALNLPEVAR YWQQVIDMNDYQRRRFASRIIDSLFNTVTDKIAILGFAFKKDTGDTRESSSIYISKYLMDEGAHLHIYDPKVPR EQIVVDLSHPGVSEDDQVSRVLTISKDPYEACDGAHAVVICTEWD MFKELDYERIHKKMLKPAFIFDGRRVLD GLHNELQTIGFQIETIGKKVSSKRIPYAPSGEIPKFSLQDPPNKKPKV

### QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

### Preparation and Storage

#### Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

*Actual storage temperature shall be subject to the COA.*

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

## A DRUG SCREENING EXPERT

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Catalyzes the formation of UDP-alpha-D-glucuronate, a constituent of complex glycosaminoglycans. Required for the biosynthesis of chondroitin sulfate and heparan sulfate. Required for embryonic development via its role in the biosynthesis of glycosaminoglycans. Required for proper brain and neuronal development.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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