



Recombinant Human UDP-glucose 6-dehydrogenase (UGDH)

Product Code	CSB-YP025567HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O60701
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MFEIKKICCI GAGYVGGPTC SVIAHMCPEI RVTVVVDVNES RINAWNSPTL PIYEPGLKEV VESCRGKNLF FSTNIDDAIK EADLVFISVN TPTKTYGMGK GRAADLKYIE ACARRIVQNS NGYKIVTEKS TVPVRAAESI RRIFDANTKP NLNLQVLSNP EFLAEGTAIK DLKNPDRVLI GGDETPEGQR AVQALCAVYE HWVPREKILT TNTWSSELSK LAANAFLAQR ISSINSISAL CEATGADVEE VATAIGMDQR IGNKFLKASV GFGGSCFQKD VLNLVYLCEA LNLPEVARYW QQVIDMNDYQ RRRFASRIID SLFNTVTDKK IAILGFAFKK DTGDTRESSS IYISKYLMDE GAHLHIYDPK VPREQIVVDL SHPGVSEDDQ VSRLVTISKD PYEACDGAHA VVICTEWD MF KELDYERIHK KMLKPAFIFD GRRVLDGLHN ELQTIGFQIE TIGKKVSSKR IPYAPSGEIP KFSLQDPPNK KPKV
Source	Yeast
Target Names	UGDH
Protein Names	Recommended name: UDP-glucose 6-dehydrogenase Short name= UDP-Glc dehydrogenase Short name= UDP-GlcDH Short name= UDPGDH EC= 1.1.1.22
Expression Region	1-494
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	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. The expression of this gene is up-regulated by transforming growth factor beta and down-regulated by hypoxia.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.



Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at $-20^{\circ}\text{C}/-80^{\circ}\text{C}$. The shelf life of lyophilized form is 12 months at $-20^{\circ}\text{C}/-80^{\circ}\text{C}$.