



# Recombinant Human Glycerol-3-phosphate dehydrogenase, mitochondrial (GPD2)

<b>Product Code</b>	CSB-BP009711HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P43304
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	ADCISEPV NREPPSREAQ LLTLQNTSEF DILVIGGGAT GSGCALDAVT RGLKTALVER DDFSSGTSSR STKLIHGGVR YLQKAIMKLD IEQYRMVKEA LHERANLLEI APHLSAPLPI MLPVYKWWQL PYYWVGKIKLY DLVAGSNCLK SSYVLSKSRA LEHFPMLQKD KLVGAIVYYD GQHNDARMNL AIALTAARYG AATANYMEVV SLLKKTDPQT GKVRVSGARC KDVL TGQEFV VRAKCVINAT GPFTDSVRKM DDKDAAAICQ PSAGVHIVMP GYYSPEMGL LDPATSDGRV IFFLPWQKMT IAGTTDTPD VTHHIPSEE DINFILNEVR NYLSCDVEVR RGDVLAAWSG IRPLVTDPKS ADTQISIRNH VVDISEGLI TIAGGKWTTY RSMAEDTINA AVKTHNLKAG PSRTVGLFLQ GGKDWSTPLY IRLVQDYGLE SEVAQHLAAT YGDKAFEVAK MASVTGKRWP IVGVRLVSEF PYIEAEVKYG IKEYACTAVD MISRRTRLAF LNVQAAEEAL PRIVELMGRE LNWDYKKQE QLETARKFLY YEMGYKSRSE QLTDRSEISL LPSDIDRYKK RFHKFDADQK GFITIVDVQR VLESINVQMD ENTLHEILNE VDLNKNQVQE LNEFLQLMSA IQKGRVSGSR LAILMKTAEE NLDRRVPIPV DRSCGGL
<b>Source</b>	Baculovirus
<b>Target Names</b>	GPD2
<b>Protein Names</b>	Recommended name: Glycerol-3-phosphate dehydrogenase, mitochondrial Short name= GPD-M Short name= GPDH-M EC= 1.1.5.3 Alternative name(s): mtGPD
<b>Expression Region</b>	43-727
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Reconstitution</b>	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.
<b>Shelf Life</b>	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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.