

## 32-2911: UGP2 Recombinant Protein

**Alternative Name :** UDP-Glucose Pyrophosphorylase 2,UDP-Glucose Pyrophosphorylase 1,EC 2.7.7.9,UGPP2,UDPGP,UGP1,UTP-Glucose-1-Phosphate Uridyltransferase 2,Uridyl Diphosphate Glucose Pyrophosphorylase-1,Uridyl Diphosphate Glucose Pyrophosphorylase 2,UTP--Glucos

### Description

Source : Escherichia Coli. UGP2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 531 amino acids (1-508 a.a) and having a molecular mass of 59.3kDa.UGP2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. UDP-Glucose Pyrophosphorylase 2, also known as UGP2 is an essential intermediary in mammalian carbohydrate inter conversions. UGP2 transfers a glucose moiety from glucose-1-phosphate to MgUTP and forms UDP-glucose and MgPPi. UDP-glucose is a direct precursor of glycogen in the liver and muscle tissue, moreover in lactating mammary gland it is converted to UDP-galactose which is next converted to lactose.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 85.0% as determined by SDS-PAGE.  
**Content :** UGP2 protein solution (0.25mg/ml) containing Phosphate buffered saline (pH7.4) and 20% glycerol, 1mM DTT.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGSMSRFVQD LSKAMSQDGA SQFQEVIRQE LELSVKKELE  
KILTTASSHE FEHTKKDLDG FRKLFHRFLQ EKGPSVDWGK IQRPPEDSIQ PYEKIKARGL PDNISSVLNK  
LVVVKLNGLL GTSMGCKGPK SLIGVRNENT FLDLTVQQIE HLNKTYNTDV PLVLMNSFNT DEDTKKILQK  
YNHCRVKIYT FNQSRYPRIK KESLLPVAKD VSYSGENTEA WYPPGHGDIY ASFYNSGLLD TFIGEGKEYI  
FVSNIDNLGA TVDLYILNHL MNPPNGKRCE FVMEVTNKTR ADVKGGTLTQ YEGKLRLVEI AQVPKAHVDE  
FKSVSKFKIF NTNNLWISLA AVKRLQEQNA IDMEIIVNAK TLDGGLNVIQ LETAVGAAIK SFENSLGINV  
PRSRFLPVKT TSDLLLVMNS LYSLNAGSLT MSEKREFPTV PLVKLGSSFT KVQDYLRREF SIPDMLDLH  
LTVSGDVTFG KNVSLKGTVI IIANHGDRID IPPGAVLENK IVSGNLRILD H.

