

## Product datasheet for **TP300246L**

### UGP2 (NM\_001001521) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human UDP-glucose pyrophosphorylase 2 (UGP2), transcript variant 2, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200246 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MSQDGASQFQEVIRQELELSVKKELEKILTTASSHEFEHTKKDLDGFRKLFHRFLQEKGPSVDWGIQRP  
PEDSIQPYEKIKARGLPDNISSVLNKLWVVKLNGGLGTSMGCKGPKSLIGVRNENTFLDLTVQQIEHLNK  
TYNTDVLVLMNSFNTDEDTKKILQKYNHCRVKIYTFNQSRYPINKESLLPVAKDVSYSGENTEAWYPP  
GHGDIYASFYNSGLLDTFIGEGKEYIFVSNIDNLGATVDLYILNHLMNPPNGKRCEFMVETNKTRADV  
GGTLTQYEGKRLRLVEIAQVPKAHVDEFKSVSKFIFNTNNLWISLAAVKRLQEQNAIDMEIIVNAKTLDG  
GLNVIQLETAVGAAIKSFENSLGINVPRSRFLPVKTTSDLLVMSNLYSLNAGSLTMSEKREFPTVPLVK  
LGSSFTKVQDYLRRFESIPDMELELDHLTVSGDVTFGKNVSLKGTVIIIANHGDRIDIPPGAVLENKIVSG  
NLRILDH

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

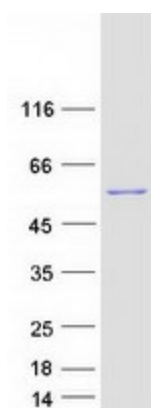
Tag:	C-Myc/DDK
Predicted MW:	55.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_001001521</a>
<b>Locus ID:</b>	7360
<b>UniProt ID:</b>	<a href="#">Q16851</a> , <a href="#">A0A140VKE1</a>
<b>RefSeq Size:</b>	2129
<b>Cytogenetics:</b>	2p15
<b>RefSeq ORF:</b>	1491
<b>Synonyms:</b>	DEE83; EIEE83; pHC379; SVUGP2; UDPG; UDPGP; UDPGP2; UGP1; UGPP1; UGPP2
<b>Summary:</b>	The enzyme encoded by this gene is an important intermediary in mammalian carbohydrate interconversions. It transfers a glucose moiety from glucose-1-phosphate to MgUTP and forms UDP-glucose and MgPPi. In liver and muscle tissue, UDP-glucose is a direct precursor of glycogen; in lactating mammary gland it is converted to UDP-galactose which is then converted to lactose. The eukaryotic enzyme has no significant sequence similarity to the prokaryotic enzyme. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Amino sugar and nucleotide sugar metabolism, Galactose metabolism, Metabolic pathways, Pentose and glucuronate interconversions, Starch and sucrose metabolism

### Product images:



Coomassie blue staining of purified UGP2 protein (Cat# [TP300246]). The protein was produced from HEK293T cells transfected with UGP2 cDNA clone (Cat# [RC200246]) using MegaTran 2.0 (Cat# [TT210002]).