

## Product datasheet for **AR51685PU-S**

### UGP2 (1-508, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	UGP2 (1-508, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMSRFVQD LSKAMSQDGA SQFQEVIRQE LELSVKKELE KILTTASSHE FEHTKKDLDG FRKLFHRFLQ EKGPSVDWVGK IQRPPEDSIQ PYEKIKARGL PDNISSVLNK LVVVKLNGGL GTSMGCKGPK SLIGVRNENT FLDLTVQQIE HLNKTYNTDV PLVLMNSFNT DEDTKKILQK YNHCVRKIYT FNQSRYPRIK KESLLPVAKD VSYSGENTEA WYPPGHGDIY ASFYNSGLLD TFIGEGKEYI FVSNIDNLGA TVDLYILNHL MNPPNGKRCE FVMEVTNKTR ADVKGGLTQ YEGKLRLEI AQVPKAHVDE FKSVSFKFIF NTNNLWISLA AVKRLQEQNA IDMEIIVNAK TLDGGLNVIQ LETAVGAAIK SFENSLGINV PRSRFLPVKT TSDLLLVMSN LYSLNAGSLT MSEKREFPTV PLVKLGSSFT KVQDYLRIFE SIPDMLELDH LTVSGDVTFG KNVSLKGTVI IIANHGDRID IPPGAVLENK IVSGNLRILD H
Tag:	His-tag
Predicted MW:	59.3 kDa
Concentration:	lot specific
Purity:	>90 % by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: Phosphate-Buffered Saline (pH 7.4) containing 30% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human UGP2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u><a href="#">NP_001001521</a></u>
Locus ID:	7360



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UniProt ID:	<a href="#">Q16851</a> , <a href="#">A0A140VKE1</a>
Cytogenetics:	2p15
Synonyms:	DEE83; EIEE83; pHC379; SVUGP2; UDPG; UDPGP; UDPGP2; UGP1; UGPP1; UGPP2
Summary:	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]
Protein Families:	Druggable Genome
Protein Pathways:	Amino sugar and nucleotide sugar metabolism, Galactose metabolism, Metabolic pathways, Pentose and glucuronate interconversions, Starch and sucrose metabolism

**Product images:**