

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

MGSSHHHHHH SSGLVPRGSH MGSMSRFVQD LSKAMSQDGA SQFQEVIRQE LELSVKKELE or AA Sequence: KILTTASSHE FEHTKKDLDG FRKLFHRFLQ EKGPSVDWGK IQRPPEDSIQ PYEKIKARGL PDNISSVLNK

LVVVKLNGGL GTSMGCKGPK SLIGVRNENT FLDLTVQQIE HLNKTYNTDV PLVLMNSFNT DEDTKKILQK YNHCRVKIYT FNQSRYPRIN KESLLPVAKD VSYSGENTEA WYPPGHGDIY

ASFYNSGLLD TFIGEGKEYI FVSNIDNLGA TVDLYILNHL MNPPNGKRCE FVMEVTNKTR ADVKGGTLTQ YEGKLRLVEI AQVPKAHVDE FKSVSKFKIF NTNNLWISLA AVKRLQEQNA

IDMEIIVNAK TLDGGLNVIQ LETAVGAAIK SFENSLGINV PRSRFLPVKT TSDLLLVMSN LYSLNAGSLT MSEKREFPTV PLVKLGSSFT KVQDYLRRFE SIPDMLELDH LTVSGDVTFG KNVSLKGTVI IIANHGDRID

IPPGAVLENK IVSGNLRILD H

Tag: His-tag Predicted MW: 59.3 kDa Concentration: lot specific

>90 % by SDS - PAGE **Purity:**

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.

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid Storage:

repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

RefSeq: NP 001001521

Locus ID: 7360



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UGP2 (1-508, His-tag) Human Protein - AR51685PU-S

UniProt ID: Q16851, A0A140VKE1

Cytogenetics: 2p15

Synonyms: DEE83; EIEE83; pHC379; SVUGP2; UDPG; UDPGP2; UDPGP2; 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

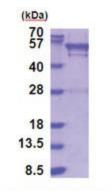
this gene. [provided by RefSeq, Jul 2008]

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:



15% SDS-PAGE (3ug)