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UGP2, 1-508aa Human, His tag, E.coli

产品货号: TP04421

第三版

别名: UTP-glucose-1-phosphate uridylyltransferase, UDP-glucose pyrophosphorylase, UDPG, UDPGP, UDPGP2, UGP1

描述: UGP2 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. Recombinant human UGP2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方: Liquid. In Phosphate buffered saline (pH7.4) containing 20% glycerol, 1mM DTT

分子量: 59.3kDa (531aa)

序列:

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MGSSHHHHHSSGLVPRGSHMGSMRFVQDLKAMSQDGASQFQEVIRQELELSVKKELEKILTTASSHEFEHTKKDLDG
FRKLFHRFLQEKGPSVDWGKIQRPPEDSIQPYEKIKARGLPDNISSVLNKLVVVKLNGGLGTSMGCKGPKSLIGVRNENTFL
DLTVQQIEHLNKTYNTDVPLVLMNSFNTDEDTKKILQKYNHCRVKIYTFNQSRYPINKESLLPVAKDVSYSGENTEAWY
PPGHGDIYASFYNSGLLDTFIGEGKEYIFVSNIDNLGATVDLYILNHLMNPPNGKRCEFVMEVTNKTRADVKGGLTQYE
GKLRRLVEIAQVPKAHVDEFKSVSKFKIFNTNNLWISLAAVKRLQEQNAIDMEIIVNAKTLDGGLNVIQLETAVGAAIKSFEN
SLGINVPRSRFLPVKTTSDLLLVMSNLYSLNAGSLTMSEKREFPTVPLVKLGSSFTKVQDYLRREFESIPDMLELDHDTVSGDVT
FGKNVSLKGTVIIIANHGDRIDIPPGAVLENKIVSGNLRILDH
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纯度: > 95% by HPLC

浓度: 0.25 mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.