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32-2622: NUDT14 Recombinant Protein

Alternative Name : UGPP,UGPPase,Uridine diphosphate glucose pyrophosphatase,UDPG pyrophosphatase,Nucleoside diphosphate-linked moiety X motif 14,Nudix motif 14,NUDT14.

Description

Source : Escherichia Coli. NUDT14 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 245 amino acids (1-222) and having a molecular mass of 26.5kDa. NUDT14 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Uridine diphosphate glucose pyrophosphatase (NUDT14), is a part of the nudix hydrolase family. NUDT14 is a cytoplasmic protein which contains one nudix hydrolase domain and acts as the sugar donor in numerous glycosylation reactions, including those involved in the production of glycogen. NUDT14 hydrolyzes ADP-ribose into ribose 5-phosphate and AMP, and UDP-glucose to glucose 1-phosphate and UMP. NUDT14 is a homodimer which binds magnesium as a cofactor and is encoded by a gene located on human chromosome 14.

Product Info

Amount :	20 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	The NUDT14 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 10% glycerol and 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 MGSMERIEGA SVGRCAASPY LRPLTLHYRQ NGAQKSWDFM KTHDSVTVLL FNSSRRSLVL VKQFRPAVYA GEVERRFPGS LAAVDQDGPR ELQPALPGSA GVTVELCAGL VDQPGLSLEE VACKEAWEEC GYHLAPSDLR RVATYWSGVG LTGSRQTMFY TEVTDAQRSG PGGGLVEEGE LIEVVHLPLE GAQAFADDPD IPKTLGVIFG VSWFLSQVAP NLDLQ.

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