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32-2346: GALT Recombinant Protein

Alternative Name : Galactose-1-phosphate uridylyltransferase,Gal-1-P uridylyltransferase,UDP-glucose--hexose-1-phosphate uridylyltransferase,GALT.

Description

Source : Escherichia Coli. GALT Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 403 amino acids (1-379) and having a molecular mass of 45.9kDa.GALT is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Galactose-1-Phosphate Uridylyltransferase (GALT) catalyzes the 2nd step of the 'Leloir pathway' of galactose metabolism, specifically the conversion of UDP-glucose + galactose-1-phosphate to glucose-1-phosphate + UDP-galactose. The deficiency of the GALT enzyme results in typical galactosemia in humans and may be fatal in the newborn stage if lactose is not eliminated from the diet. Galactosemia pathophysiology has not been clearly defined.

Product Info

Amount :	10 µg
Purification :	Greater than 85.0% as determined by SDS-PAGE.
Content :	The GALT solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.5), 0.2M NaCl and 10% glycerol.
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 MGSHMSRSGT DPQQRQQASE ADAAAATFRA NDHQHIRYNP LQDEWVLVSA HRMKRPWQGQ VEPQLLKTVP RHDPLNPLCP GAIRANGEVN PQYDSTFLFD NDFPALQPDA PSPGPSDHPL FQAKSARGVC KVMCFHPWSD VTLPLMSVPE IRAVVDAWAS VTEELGAQYP WVQIFENKGA MMGCSNPHPH CQVWASSFLP DIAQREERSQ QAYKSQHGEP LLMEYSRQEL LRKERLVLTS EHWLVLVPFW ATWPYQTLLL PRRHVRRLPE LTPAERDDLA SIMKKLLTKY DNLFETSFPY SMGWHGAPTG SEAGANWNHW QLHAHYYPPL LRSATVRKFM VGYEMLAQAQ RDLTPEQAAE RLRALPEVHY HLGQKDRETA TIA.

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