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GALT, 1-379aa, Human, His tag, E.coli

产品货号: TP02192

第三版

别名:Galactose-1-phosphate uridylyltransferase, Gal-1-P uridylyltransferase, UDP-glucose--hexose-1-phosphate uridylyltransferase

描述:GALT catalyzes the second step of the Leloir pathway of galactose metabolism, namely the conversion of UDP-glucose + galactose-1-phosphate to glucose-1-phosphate + UDP-galactose. The absence of this enzyme results in classic galactosemia in humans and can be fatal in the newborn period if lactose is not removed from the diet. The pathophysiology of galactosemia has not been clearly defined. Two transcript variants encoding different isoforms have been found for this gene. Recombinant human GALT protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques

配方:Liquid. In 20mM Tris-HCl buffer (pH 8.5) containing 0.2M NaCl, 10% glycerol.

分子量:45.9 kDa (403aa), confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMGSHMSRSGTDPQQRQQASEADAAAATFRANDHQHIRYNPLQDEWVLSAHRMKRP
WQQQVEPQLLKTVPRHDPLNPLCPGAIRANGEVNPQYDSTFLFDNDFPALQPDAPSPGPSDHPLFQAKSARGVCKVMCF
HPWSDVTLPLMSVPEIRAVVDAWASVTEELGAQYPWVQIFENK GAMMGCSNPHPHCQVWASSFLPDIAQREERSQQAY
KSQHGEPLLMEYSRQELLRKERLVL TSEHWLVLV PFWATWPYQ TLLLPRRHVRRLELTPAERDDLASIMKKLLTKYDNL F
ETSPYSMGWHGAPTGSEAGANWNHWQLHAHYYPLLRSATVRKFMVGYEMLAQAQRDLTPEQAAERLRALPEVHYH
LGQKDRETATIA

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.