

Product datasheet for **TP302206M**

GALT (NM_000155) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human galactose-1-phosphate uridylyltransferase (GALT), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202206 protein sequence Red =Cloning site Green =Tags(s) MSRSGTDPQQRQQASEADAAAATFRANDHQHIRYNPLQDEWVLVSAHRMKRPWQGQVEPQLLKTVPRHDP LNPLCPGAIRANGEVNPQYDSTFLFDNDFPALQPDAPSPGPSDHPLFQAKSARGVCKVMCFHPWSDVTLP LMSVPEIRAVVDAWASVTEELGAQYPWVQIFENKGAMMGCSNPHPHCQVWASSFLPDIAQREERSQQAYK SQHGPELLMEYSRQELLRKERLVLTSSEHWLVLPFWATWPYQTL LPRRHVRLPELTPAERDDLASIMK KLLTKYDNLFETSPYSMGWHGAPTGSEAGANWDHWQLHAHYPPLLRSATVRKFMVGYEMLAQAQRDLT PEQAAERLRALPEVHYHLGQKDRETATIA TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	43.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_000146</u>
Locus ID:	2592



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UniProt ID: [P07902](#), [A0A0S2Z3Y7](#), [B2RAT6](#)

RefSeq Size: 1407

Cytogenetics: 9p13.3

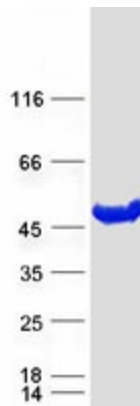
RefSeq ORF: 1137

Summary: Galactose-1-phosphate uridyl transferase (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. [provided by RefSeq, Apr 2012]

Protein Families: Druggable Genome

Protein Pathways: Amino sugar and nucleotide sugar metabolism, Galactose metabolism, Metabolic pathways

Product images:



Coomassie blue staining of purified GALT protein (Cat# [TP302206]). The protein was produced from HEK293T cells transfected with GALT cDNA clone (Cat# [RC202206]) using MegaTran 2.0 (Cat# [TT210002]).