

Recombinant Full Length Human GALT Protein, GST-tagged

Cat. No. GALT-5374HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GALT full-length ORF (AAH15045, 1 a.a. - 379 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	379 amino acids
Description	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. [provided by RefSeq]
Molecular Mass	67.43 kDa
AA Sequence	MSRSGTDPQQRQQASEADAAAATFRANDHQHIRYNPLQDEWVLVSAHRMKRPWQ GQVEPQLLKTVPRHDPLNPLCPGAIRANGEVNPQYDSTFLFDNDFPALQPDAPSPG PSDHPLFQAKSARGVCKVMCFHPWSDVTPLMSVPEIRAVVDASVTEELGAQY PWVQIFENKGAMMGCSNPHPHCQVWASSFLPDIAQREERSQQAYKSQHGEPLLM EYSRQELLRKERLVLVTSEHWLVLPFWATWPYQTLLLPRRHVRRRLPELTPAERDDL ASIMKKLLTKYDNLFETSFYPSMGWHGAPTGSEAGANWDHWQLHAHYYPPLLRSA TVRKFMVGYEMLAQQAQRDLTPEQAAERLRALPEVHYHLGQKDRETATIA

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	GALT galactose-1-phosphate uridylyltransferase [Homo sapiens]
Official Symbol	GALT
Synonyms	GALT; galactose-1-phosphate uridylyltransferase; gal-1-P uridylyltransferase; galactose-1-phosphate uridyl transferase; UDP-glucose--hexose-1-phosphate uridylyltransferase;
Gene ID	2592
mRNA Refseq	NM_000155
Protein Refseq	NP_000146
MIM	606999
UniProt ID	P07902

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