

## Active Native *Streptoverticillium mobaraense*

Cat. No. GALT-10 Lot. No. (See product label)

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Native Galactose-1-phosphate Uridyltransferase from galactose-adapted yeast (Type IV)   |
| <b>Species</b>          | Yeast   |
| <b>Source</b>           | Yeast   |
| <b>Description</b>      | Galactose-1-phosphate uridyltransferase (GALT) facilitates the simultaneous conversion of uridine diphosphoglucose (UDP-glucose) and galactose-1-phosphate (gal-1P) to uridine diphosphogalactose (UDP-galactose) and glucose-1-phosphate. Classic Galactosemia (CG) is an inherited metabolic condition caused by deficiency of GALT activity. |
| <b>Form</b>             | Lyophilized powder  |
| <b>Bio-activity</b>     | 20-60 units/mg protein (modified Warburg-Christian)   |
| <b>Purity</b>           | Protein, 15-35%   |
| <b>Unit Definition</b>  | One unit will form 1.0 $\mu$ mole of glucose 1-phosphate from UDP-glucose, galactose 1-phosphate and NADP <sup>+</sup> per min at pH 8.7 at 25 centigrade as detected by a coupled system using phosphoglucomutase.   |
| <b>Storage</b>          | At -20 centigrade.  |

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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



**Storage Buffer** Contains buffer salts as citrate and reduced glutathione

## GENE INFORMATION

**Official Symbol** GALT

**Synonyms** GALT; UDP glucose:α-D-galactose-1-phosphate uridylyltransferase; Galactose-1-phosphate Uridyltransferase; 9016-11-9; ; EC 2.7.7.12; MFCD00131120; NA.54

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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