

Active Native Streptovercillum mobaraense

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

SPECIFICATION

Product Overview	Native Galactose-1-phosphate Uridyltransferase from galactose-adapted yeast (Type IV)
Species	Yeast
Source	Yeast
Description	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.
Form	Lyophilized powder
Bio-activity	20-60 units/mg protein (modified Warburg-Christian)
Purity	Protein, 15-35%
Unit Definition	One unit will form 1.0 μ mole of glucose 1-phosphate from UDP-glucose, galactose 1-phosphate and NADP ⁺ per min at pH 8.7 at 25 centigrade as detected by a coupled system using phosphoglucomutase.
Storage	At -20 centigrade.

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

Storage Buffer	Contains buffer salts as citrate and reduced glutathione
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GENE INFORMATION

Official Symbol	GALT
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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
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