

Active Recombinant D-Mannose isomerase

Cat. No. D-Mannose isomerase -039 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant D-Mannose isomerase Protein
Source	E.coli
Description	d-Mannose isomerase (MI) reversibly isomerizes d-mannose to d-fructose, and is attractive for producing d-mannose from inexpensive d-fructose. It belongs to the N-acylglucosamine 2-epimerase (AGE) superfamily along with AGE, cellobiose 2-epimerase (CE), and aldose-ketose isomerase (AKI).
Form	White lyophilized powder or Liquid
Bio-activity	Specific activity: ≥ 1000 U/mg protein Activity: ≥ 102 U/mg solid
Purity	$> 90\%$
Notes	This product is for research and manufacturing use only and is not intended for diagnostic or therapeutic use.
Storage	2-8 centigrade: At least 1 year
CAS No.	9031-25-8
Unit Definition	One unit is defined as the amount of enzyme that catalyzes the formation of 1 μmol D-fructose from D-mannose per minute at 37 centigrade

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EC No.	5.3.1.7
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GENE INFORMATION

Official Symbol	D-Mannose isomerase
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Synonyms	D-Mannose isomerase
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