Active Recombinant Rhodotorula toruloides Phenylalanine Ammonia-Lyase

Cat. No. PAL-01R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Rhodotorula toruloides Phenylalanine Ammonia-Lyase was expressed in E. coli.
Species	Rhodotorula toruloides
Source	E.coli
Description	Phenylalanine ammonia-lyase (PAL, EC 4.3.1.24) catalyzes the deamination of phenylalanine to cinnamate and ammonia, the first step of the phenylpropanoid pathway. PALs are ubiquitous in plants and also commonly found in fungi, but have not yet been detected in animals.
CAS No.	9024-28-6
Form	White lyophilized powder
Bio-activity	Specific Activity: 1.88 U/mg Protein Activity: 0.39 U/mg solid
Purity	≥95% by SDS-PAGE
Unit Definition	One unit will deaminate 1.0 μmole of L-phenylalanine to trans-cinnamate and NH3 per min at pH 8.5 at 30 centigrade.
Storage	Store at -20 centigrade for 2 years.

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GENE INFORMATION

Official Symbol	PAL
Synonyms	PAL; Rhodotorula toruloides

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