Transaldolase (TAL)

Cat. No. TAL-06 **Lot. No.** (See product label)

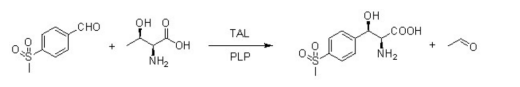
SPECIFICATION

Product Overview	
Description	TAL (Transaldolase) mainly refers to threonine transaldolases, which can catalyze the reaction to synthesize β-hydroxyphenylalanine derivatives with threonine and benzaldehyde derivatives. TAL is PLP dependent enzyme. TAL enzyme can be used to synthesis of β-hydroxyphenylalanine and its derivatives.
Applications	1. Normally, the reaction system should include substrate, buffer solution, enzyme, PLP, Mg2+. 2. TAL should be added last into reaction system, after the pH and temperature been adjusted to the reaction condition.
Notes	Never contact with extreme conditions such as: high temperature, high/low pH and high concentration organic solvent.
Storage	Keep 2 years below -20 centigrade.
Advantages	1. High substrate specificity. 2. Strong chiral selectivity. 3. High conversion. 4. Less by-products. 5. Mild reaction conditions. 6. Environmentally friendly.

GENE INFORMATION

Official Symbol	TAL
Synonyms	Transaldolase; TAL

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Application Examples	 Synthesis of (2S, 3R)-p-methylsulfonyl phenylserine from p-methylsulfonyl benzaldehyde and threonine.

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