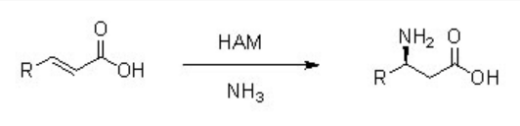
Hydroaminase (HAM)

Cat. No. HAM-31 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Description	HAM can catalyze the ammoniation of enoic acid or its derivatives to produce chiral amino acids. HAM can be used to synthesize chiral amino acids (or chiral amines) from enoic acids (or alkenes). Ammonia donor, such as ammonia water or ammonium salt, is necessary.
Instructions and Precautions	The following reaction system could be used for reference: 1-10 mg/mL Substrate, 10 mg/mL Enzyme, 10% (v/v) Organic cosolvent, 10% (v/v) Ammonia Adjust pH to 9.0 before adding enzyme, and enzyme should be added finally. Incubate the reactions at a constant temperature shaker (for example, 30 centigrade, 150 rpm) in for 24~48 hours. Centrifuge each mixture to precipitate protein, them the supernatant can be used for TLC, HPLC or GC analysis. Note: Organic solvent (such as DMSO, methanol, acetonitrile, IPA, etc.) is optional, used for insoluble substrates.

GENE INFORMATION

Official Symbol	HAM
Synonyms	Hydroaminase; HAM
Hydroaminase catalytic reaction type	

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