Recombinant Bacillus thuringiensis ido Protein (M1-K240)

Cat. No. ido-1488B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Bacillus thuringiensis G-ido(M1-K240 end) protein without tag was expressed in E. coli
Species	Bacillus thuringiensis
Source	E.coli
ProteinLength	M1-K240
Description	Catalyzes the hydroxylation of L-isoleucine to produce (4S)-4-hydroxy-L-isoleucine. Can also catalyze the hydroxylation of L-leucine, L-norvaline, L-norleucine and L-allo-isoleucine, as well as the sulfoxidation of L-methionine, L-ethionine, S-methyl-L-cysteine, S-ethyl-L-cysteine, and S-allyl-L-cysteine.
Form	Liquid
Endotoxin	< 0.01 EU/μg of the protein
Purity	90%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Storage Buffer	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Official Symbol	ido
Synonyms	L-isoleucine-4-hydroxylase; ido; EC:1.14.11.45; L-isoleucine-4-hydroxylase 1 Publication; L-isoleucine dioxygenase
UniProt ID	E2GIN1

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