Creative Enzymes®

iodotyrosine deiodinase

Cat. No. EXWM-1246

Lot. No. (See product label)

Introduction

Description	The enzyme activity has only been demonstrated in the direction of 3-deiodination. Present in a transmembrane flavoprotein. Requires FMN.
Synonyms	iodotyrosine dehalogenase 1; DEHAL1

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.21.1.1
Reaction	L-tyrosine + 2 NADP+ + 2 iodide = 3,5-diiodo-L-tyrosine + 2 NADPH + 2 H+ (overall reaction); (1a) L-tyrosine + NADP+ + iodide = 3-iodo-L-tyrosine + NADPH + H+; (1b) 3-iodo-L-tyrosine + NADP+ + iodide = 3,5-diiodo-L-tyrosine + NADPH + H+
Notes	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage	Store it at +4 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.