

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 °C for short term. For long term storage, store it at -20 °C~-80 °C.