

## Type I iodothyronine deiodinase

Catalog No: #AP78883

Package Size: #AP78883-1 50ug #AP78883-2 100ug #AP78883-3 1mg

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## Description

Product Name	Type I iodothyronine deiodinase
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% by SDS-PAGE
Species Reactivity	Human
Immunogen Description	1-180AA
Other Names	ITDI1, TXDI1, 5DI, DIOI, Type 1 DI, Type-I 5'-deiodinase
Accession No.	P49895 Gene name: DIO1
Uniprot	P49895
GeneID	1733;
Calculated MW	19.8
Tag Info	His
Formulation	50mM NaH <sub>2</sub> PO <sub>4</sub> , 500mM NaCl Buffer with 500mM Imidazole, 10% glycerol (pH 8.0)
Storage	Store at -20C. (Avoid repeated freezing and thawing.) Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

Responsible for the deiodination of T<sub>4</sub> (3,5,3',5'-tetraiodothyronine) into T<sub>3</sub> (3,5,3'-triiodothyronine) and of T<sub>3</sub> into T<sub>2</sub> (3,3'-diiodothyronine). Plays a role in providing a source of plasma T<sub>3</sub> by deiodination of T<sub>4</sub> in peripheral tissues such as liver and kidney.

## References

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Note: This product is for in vitro research use only