

# Native Human Thyroid Peroxidase

**Cat. No.** TPO-8266H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human Thyroid Peroxidase was purified from Human Thyroid Tissue.
<b>Species</b>	Human
<b>Source</b>	Human Thyroids
<b>Description</b>	Human Thyroid peroxidase (TPO) is an enzyme mainly expressed in the thyroid that liberates iodine for addition onto tyrosine residues on thyroglobulin for the production of thyroxine (thyroid hormone).
<b>Form</b>	Frozen Liquid with sodium azide as a preservative
<b>Purity</b>	>90% pure by SDS PAGE
<b>Stability</b>	1 year
<b>Storage</b>	-20 °C
<b>Concentration</b>	Typically >1.0 mg/mL

## GENE INFORMATION

<b>Gene Name</b>	TPO thyroid peroxidase [ Homo sapiens ]
<b>Official Symbol</b>	TPO

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Synonyms</b>	TPO; thyroid peroxidase; TPX; thyroperoxidase; thyroid microsomal antigen; MSA; TDH2A;
<b>Gene ID</b>	<a href="#">7173</a>
<b>mRNA Refseq</b>	<a href="#">NM_000547</a>
<b>Protein Refseq</b>	<a href="#">NP_000538</a>
<b>MIM</b>	<a href="#">606765</a>
<b>UniProt ID</b>	<a href="#">P07202</a>
<b>Chromosome Location</b>	2p25
<b>Pathway</b>	Amine-derived hormones, organism-specific biosystem; Autoimmune thyroid disease, organism-specific biosystem; Autoimmune thyroid disease, conserved biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Hematopoietic cell lineage, organism-specific biosystem; Hematopoietic cell lineage, conserved biosystem;
<b>Function</b>	calcium ion binding; heme binding; iodide peroxidase activity; oxidoreductase activity; peroxidase activity;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA