

TPO

Native Human Thyroid Peroxidase

Catalog No.	CSI11064	Quantity:	100 µg
Alternate Names:	MSA, TPX, TDH2A		
Description:	Thyroid Peroxidase (TPO) is a membrane-bound glycoprotein. TPO acts as an enzyme and plays a central role in thyroid gland function. It functions in the iodination of tyrosine residues in thyroglobulin and phenoxy-ester formation between pairs of iodinated tyrosines to generate the thyroid hormones, Thyroxine and Triiodothyronine. Mutations in TPO are associated with several disorders of thyroid hormonogenesis, including congenital hypothyroidism, congenital goiter, and thyroid hormone organification defect IIA.		
Concentration:	~1.0 mg/mL		
GenelD:	7173		
Source:	Human Thyroid Glands		
Formulation:	Liquid in 20 mM Tris + 50 mM KCl, pH 7.5 without preservative		
Purity:	>98% by SDS-PAGE		
Storage & Stability:	Store in working aliquots at -20°C. Avoid repeated freeze-thaw cycles.		
Certification:	Raw material tested by EIA and found to be negative for HBsAg, anti-HIV 1/2 and anti-HCV.		
Contaminants:	None detected by SDS-PAGE		

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