

TPO

Native Human Thyroid Peroxidase

Catalog No.	CSI11064A CSI11064B	Quantity:	100 µg 1.0 mg
Alternate Names:	Thyroid peroxidase, TPO, EC:1.11.1.8		
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.		
UniProt ID:	P07202		
Gene ID:	7173		
Source:	Human Thyroid Glands		
Formulation:	Lyophilized from 20 mM Tris, 50 mM KCl and 0.1 mM KI, pH 7.5 with no preservatives added.		
Purity:	>95% by SDS-PAGE		
Reconstitution:	Centrifuge vial prior to opening. Reconstitute with 100 µl distilled water.		
Storage & Stability:	Upon receipt store at -80°C up to 1 year. After reconstitution, store as working aliquots at -20°C to -80°C. Avoid repeated freeze-thaw cycles.		
Certification:	Tissue extract tested by EIA and found to be negative for HBsAg, anti-HIV 1 and 2, and anti-HCV.		

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