

TPO

Native Human Thyroid Peroxidase

Catalog No.	CSI19711A CSI19711B	Quantity:	25 µg 100 µg
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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: Typically >0.1 mg/mL

GenelD: 7173

Source: Human Thyroid Glands

Molecular Weight: ~105 kDa

Formulation: Frozen Liquid

Purity: >90% by SDS-PAGE

Storage & Stability: Store in working aliquots at -20°C. Stable for at least 1 year when stored properly.
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.

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