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TPO Enzyme (Recombinant)

Catalogue No.: abx073668

TPO or thyroperoxidase (TPO) is an enzyme expressed mainly in the thyroid where it is secreted into colloid. TPO oxidizes iodide ions to form iodine atoms for addition onto tyrosine residues on thyroglobulin for the production of thyroxine (T4) or triiodothyronine (T3), the thyroid hormones. In humans, thyroperoxidase is encoded by the TPO gene. TPO Human Recombinant produced in SF9 is a glycosylated, polypeptide chain containing 834 amino acids and having a molecular mass of 92,872 Dalton (excluding glycosylation), 101 kDa total mass. The TPO is expressed with a 6xHis tag and purified by proprietary chromatographic techniques.

Target: TPO

Origin: Human

Host: Insect

Recommended dilutions: 0.15 - 0.375 µg/ml (depending on the type of ELISA plate and coating buffer). Suitable for biotinylation and iodination. Optimal dilutions/concentrations should be determined by the end user.

Purity: > 95% as determined by SDS-PAGE

Storage: Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Avoid repeated freeze/thaw cycles.

Swiss Prot: [P07202](#)

Buffer: 16mM HEPES pH-7.6, 160mM NaCl, 0.08mM KI and 20% glycerol.

Note: This product is for research use only.