

Recombinant Chicken TPO Protein

Cat. No. TPO-68C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Chicken TPO Protein without tag was expressed in E. coli.
Species	Chicken
Source	E.coli
Description	This gene encodes a membrane-bound glycoprotein. The encoded protein acts as an enzyme and plays a central role in thyroid gland function. The protein 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 this gene are associated with several disorders of thyroid hormonogenesis, including congenital hypothyroidism, congenital goiter, and thyroid hormone organification defect IIA. Multiple transcript variants encoding distinct isoforms have been identified for this gene, but the full-length nature of some variants has not been determined.
Form	Liquid
Molecular Mass	~ 18 kDa
Purity	> 90% as determined by SDS-PAGE
Storage	Short Term Storage at +4 centigrade. Long Term, please prepare aliquots with 20% glycerol and store at -20 to -80 centigrade. Avoid freeze/thaw cycles.

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

Storage Buffer 1×PBS pH 7.4

GENE INFORMATION

Gene Name TPO thyroid peroxidase [*Gallus gallus* (chicken)]

Official Symbol TPO

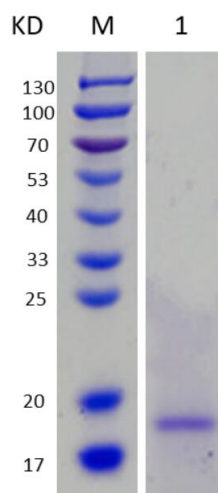
Synonyms TPO; thyroid peroxidase; LOW QUALITY PROTEIN: thyroid peroxidase; thyroid peroxidase; EC 1.11.1.8

Gene ID 776120

mRNA Refseq XM_046939321

Protein Refseq XP_046795277

**12% SDS-PAGE
analysis of purified
TPO (CBB stained)**



Lane M: Protein Marker

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Lane 1: TPO

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