

Native Porcine TG protein

Cat. No. TG-37P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Porcine TG was purified from Porcine thyroid gland.
Species	Porcine
Source	Porcine thyroid gland
Description	Thyroglobulin has been shown to regulate the transcription of iodide porters including sodium iodide symporter and pendrin. Thyroglobulin is a major protein involved with iodine metabolism. It consists of an iodine-containing protein that is stored in the thyroid gland and is converted into circulating thyroxines when the thyroid is stimulated by TSH (Thyroid Stimulating Hormone) from the pituitary. Thyroglobulin is often used as a carrier protein for the production of antibodies. Its advantage as a carrier protein comes from its large number of tyrosine residues that can be used for conjugation using the diazo reaction.
Molecular Mass	~670 kDa
Storage	Store product at -20 centigrade.
Reconstitution	When reconstituted in water (20 mg/ml), a turbid solution with some insolubles is observed.

GENE INFORMATION

Gene Name	TG thyroglobulin [<i>Sus scrofa</i>]
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Official Symbol	TG
Synonyms	TG; thyroglobulin
Gene ID	100156471
mRNA Refseq	NM_001168418
Protein Refseq	NP_001161890

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