

Native Human Thyroglobulin

Cat. No. TG-393H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Human TG is a large globular dimeric glycoprotein with a total molecular weight of 660 kDa, which occupies a key precursor role in the biosynthesis of the thyroid hormones.
Species	Human
Source	Human Thyroids
Description	Thyroglobulin (TG) represents one of the main autoantigenic targets in autoimmune thyroid disease of humans. Human Thyroglobulin is a glycosylated, polypeptide chain having a total MW 662 kDa.
Form	Native Human TG is supplied at a concentration of 0.5 mg/ml in 16 mM HEPES buffer pH 7.6 + 240mM sodium chloride + 20% glycerol.
Purity	Greater than 95%(SDS-PAGE).
Storage	Store at 2-4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Avoid multiple freeze-thaw cycles.
Official Symbol	TG
Pathways	Autoimmune thyroid disease

GENE INFORMATION

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Gene Name	TG thyroglobulin [Homosapiens]
Synonyms	TG; thyroglobulin;TGN; AITD3; OTTHUMP00000227159; Thyroglobulin; Tg
Gene ID	7038
mRNA Refseq	NM_003235
Protein Refseq	NP_003226
MIM	188450
UniProt ID	P01266
Chromosome Location	8q24
Function	NOT carboxylesteraseactivity; chaperone binding; hormoneactivity; NOT neurexin family protein binding; NOT receptor activity

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