

Recombinant Rat TG Protein (21-300 aa), His-SUMO-tagged

Cat. No. TG-2112R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat TG Protein (21-300 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Signal Transduction. Protein Description: Partial.
Species	Rat
Source	E.coli
ProteinLength	21-300 aa
Description	Precursor of the iodinated thyroid hormones thyroxine (T4) and triiodothyronine (T3).
Form	Tris-based buffer, 50% glycerol
Molecular Mass	48.0 kDa
AA Sequence	NIFEYQVDAQPLRPCELQREKAFLKQDEYVPQCSEDGSFQTVQCQNDGQSCWCVD SDGTEVPGSRQLGRPTACLSFCQLHKQRILLSSYINSTDALYLPQCQDSGNYAPVQ CDLQQVQCWCVDTEGMEVYGTRQQGRPTRCPRSCEIRSRLHGVGDKSPQCD ADGEFMPVQCKFVNTTDMMIFDLIHNYNRFPDAFVTFSAFRNRFPEVSGYCYCADS QGRELAETGLELLLDEIYDTIFAGLDQASTFTQSTMYRILQRRFLAIQLVISGRFRCPT
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4

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centigrade for up to one week.

Storage

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration

A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name Tg thyroglobulin [*Rattus norvegicus*]

Official Symbol TG

Synonyms TG; thyroglobulin; Tgn;

Gene ID 24826

mRNA Refseq NM_030988

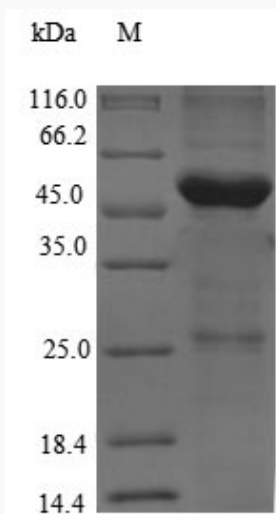
Protein Refseq NP_112250

UniProt ID P06882

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.