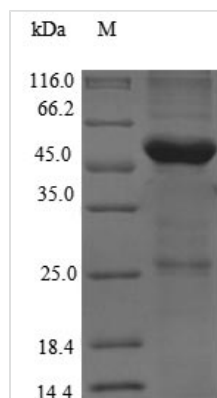




Recombinant Rat Thyroglobulin (Tg), partial

Product Code	CSB-EP023442RA
Relevance	Precursor of the iodinated thyroid hormones thyroxine (T4) and triiodothyronine (T3).
Abbreviation	Recombinant Rat Thyroglobulin protein, partial
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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P06882
Alias	Tg
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	NIFEYQVDAQPLRPCELQREKAFLKQDEYVPQCSFGSFQTVQCQNDGQSC WCVDSDGTEVPGSRQLGRPTACLSFCQLHKQRILLSSYINSTDALYLPQCQDS GNYAPVQCDLQQVQCWCVDTEGMEVYGTRQQGRPTRCPRSCEIRSRLLH GVGDKSPPQCDADGEFMPVQCKFVNTTDMMIFDLIHNYNRFDPADFVTFSAFR NRFPEVSGYCYCADSQGRELAETGLELLLDEIYDTIFAGLDQASTFTQSTMYRI LQRRFLAIQLVISGRFRCPT
Research Area	Signal Transduction
Source	E.coli
Target Names	Tg
Protein Names	Recommended name: Thyroglobulin Short name= Tg
Expression Region	21-300aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	48.0kDa
Protein Length	Partial
Image	



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

Description

Boost your signal transduction studies with our Recombinant Rat Thyroglobulin (Tg), a key player in thyroid hormone synthesis. This crucial protein, synthesized and secreted by the follicular cells of the thyroid gland, plays a vital role in the endocrine system. Studying it could open new doors in our understanding of hormonal regulation and related disorders.

Produced in E.coli, this partial-length version of the protein focuses on the expression region from the 21st to the 300th amino acid, encompassing critical functional domains. For added utility, the protein features an N-terminal 6xHis-SUMO tag, facilitating both identification and purification processes. As a testament to our commitment to high-quality research tools, we've ensured that this product exceeds 90% purity, as confirmed by SDS-PAGE. You can also select from liquid or lyophilized powder forms based on your experimental requirements. Our Recombinant Rat Thyroglobulin (Tg), taking you one step closer to your research goals.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.