

CATALOGUE #: 8RTG4

PRODUCT NAME: Thyroglobulin, human, recombinant

Source: Expressed in a mammalian cell line

Description: Synthetic DNA fragment encoding a full-sized (1-2768 a.a.r.) subunit of human thyroglobulin including signal peptide was used according UniProtKB P01266 accession number.

Contains C-terminal GlyAlaProGly4SerHis10-tag.

Theoretical MW: 304640 Da including the C-terminal tag

Theoretical pI: 5.54

Application: To be used as an antigen in the assays for the detection of human thyroglobulin-specific autoantibodies.

Calibrator or standard in immunoassays.

Analysis: Purity >95%

Concentration is determined spectrophotometrically at A280. Abs 1 mg/ml = 1.14.

Immunoreactivity is confirmed by reaction with monoclonal antibodies specific to human thyroglobulin.

Purification: Metal affinity chromatography

Presentation: Lyophilized from PBS, pH 7.4, 5.4 % sucrose.

It is recommended to reconstitute this product with deionized water to its initial concentration.

Storage: Lyophilized at -20 °C (-15 ... -30 °C allowed), reconstituted at -70 °C (-65 ... -80 °C allowed).

Other information: Avoid repeated freezing and thawing. It is recommended to aliquot the product after reconstitution.

Material safety note: This product is sold **for research or further manufacturing use only**. Standard Laboratory Practices should be followed when handling this material.