



# DataSheet

**CATALOGUE #:** 8RTP0

**PRODUCT NAME:** Recombinant human thyroid peroxidase (TPO)

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<b>Source:</b>	Recombinant protein expressed in insect cells
<b>Description</b>	Soluble extracellular domain of human TPO (amino acid residues 19-846). Molecular weight 91981 Da. Does not contain any tags.
<b>Application:</b>	To be used as an antigen in the assays for the detection of human TPO-specific autoantibodies.
<b>Analysis:</b>	Purity > 95% (SDS-PAGE)
<b>Immunological activity:</b>	Immunoreactivity of recombinant human TPO is checked in ELISA with blood samples from the patients with anti-TPO autoantibodies.
<b>Purification:</b>	Affinity and ion exchange chromatography
<b>Presentation:</b>	Lyophilized from 20 mM Tris-HCl, pH 8.0, 250 mM NaCl, 0.1 mM KI, 5% D-mannitol. Product is recommended to reconstitute with deionized water
<b>Storage:</b>	-20°C in lyophilized form (-15 ... -30 °C allowed). After reconstitution protein solution should be stored at -70°C (-65 ... -80 °C allowed).
<b>Other information:</b>	Avoid repeated freezing and thawing. It is recommended to aliquot the product after reconstitution.
<b>Material safety note:</b>	This product is sold <b>for research use only</b> . Standard Laboratory Practices should be followed when handling this material.

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