

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

32-18445: Human TPO Protein, His Tag

Uniprot ID: P07202

Alternative Name: MSA; TPX; TDH2A

Description

Description: Recombinant human TPO Protein with C-terminal 6×His tag

Background: This gene encodes a membrane-bound glycoprotein. The encoded protein acts as an enzyme and plays a central role in thyroid gland function. The protein functions in the iodination of tyrosine residues in thyroglobulin and phenoxy-ester formation between pairs of iodinated tyrosines to generate the thyroid hormones, thyroxine and triiodothyronine. Mutations in this gene are associated with several disorders of thyroid hormonogenesis, including congenital hypothyroidism, congenital goiter, and thyroid hormone organification defect IIA. Multiple transcript variants encoding distinct isoforms have been identified for this gene, but the full-length nature of some variants has not been determined.

Molecular Characterization: mass of 92.8 kDa after removal of the signal peptide. The apparent molecular mass of TPO-His is approximately 100-130 kDa due to glycosylation.

Tag: C-6×His tag

Product Info

Storage condition:

Amount: 50 μg / 100 μg

Purification: The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue

staining.

Content: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before

lyophilization.

Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended

for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).

Lyophilized proteins are shipped at ambient temperature.

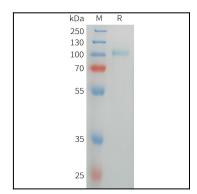


Figure 1. Human TPO Protein, His Tag on SDS-PAGE under reducing condition.