



Recombinant Human Thyroid Peroxidase [His, biotin] (DAGC120)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Truncated cDNA coding for the extracellular part of human TPO. Transmembrane and intracytoplasmic parts of the molecule are removed and replaced by a hexa-histidine purification tag at the C-terminus. After cleavage of the secretory leader presequence the mature recombinant TPO has a length of 834 amino acids.
Species	Human
Purity	> 80%
Conjugate	His, biotin
Applications	ELISA
Molecular Weight	93 kDa
Format	Liquid
Size	0.5 mg
Buffer	Neutral to slightly alkaline pH and 20% glycerol as cryoprotective agent.
Preservative	None
Storage	Store at -70°C or below. Repeated freeze/thaw cycles should avoided.

BACKGROUND

Introduction	Thyroid peroxidase or thyroperoxidase (TPO) is an enzyme expressed mainly in the thyroid that liberates iodine for addition onto tyrosine residues on thyroglobulin for the production of
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thyroxine (T4) or triiodothyronine (T3), thyroid hormones. In humans, thyroperoxidase is encoded by the TPO gene.

Keywords

TPO; thyroid peroxidase; MSA; TPX; TDH2A; thyroperoxidase; thyroid microsomal antigen
