

## Thyroid Peroxidase Recombinant Protein | TPO recombinant protein

Recombinant Human Thyroid Peroxidase

CATALOG #  
**AAA38255**

### PRODUCT SYNONYMS

Thyroid Peroxidase; Recombinant Human Thyroid Peroxidase; TPO Human; Thyroid Peroxidase Human Recombinant; Thyroid peroxidase; EC 1.11.1.8; TPO; MSA; TPX; TPO recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                      |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purity/Purification     | Greater than 95% as determined by Densitometric Analysis.                                                                                                            |
| Form/Format             | TPO is supplied at a concentration of 0.81 mg/ml in 16mM HEPES pH-7.6, 160mM NaCl, 0.08mM KI and 20% glycerol                                                        |
| Sequence Length         | 933                                                                                                                                                                  |
| Source                  | Sf9 Insect Cells                                                                                                                                                     |
| Coating concentration   | 0.15-0.375ug/ml (depending on the type of ELISA plate and coating buffer). Suitable for biotinylation and iodination.                                                |
| Preparation and Storage | Store at 4 degree C if entire vial will be used within 2-4 weeks.<br>Store, frozen at -20 degree C for longer periods of time.<br>Avoid multiple freeze-thaw cycles. |

### ADDITIONAL INFORMATION

|                                                         |                                                                                                                                                                                                                                                                                                                              |
|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for TPO recombinant protein | <b>Description:</b> Thyroid Peroxidase Human Recombinant produced in SF9 is a glycosylated, polypeptide chain containing 834 amino acids and having a molecular mass of 93 kDa (excluding glycosylation), 101 kDa total mass. The TPO is expressed with a -6xHis tag and purified by proprietary chromatographic techniques. |
| Product Categories/Family for TPO recombinant protein   | Enzymes; Oxidase                                                                                                                                                                                                                                                                                                             |

### NCBI AND UNIPROT INFORMATION

|                                  |                                                                        |
|----------------------------------|------------------------------------------------------------------------|
| NCBI GI #                        | 28558982                                                               |
| NCBI GeneID                      | 7173                                                                   |
| NCBI Accession #                 | NP_000538.3                                                            |
| NCBI GenBank Nucleotide #        | NM_000547.5                                                            |
| UniProt Accession #              | P07202; P09934; P09935; Q8IUL0; Q8NF94; Q8NF95; Q8NF96; Q8NF97; Q8TCI9 |
| NCBI Official Full Name          | thyroid peroxidase isoform a                                           |
| NCBI Official Synonym Full Names | thyroid peroxidase                                                     |
| NCBI Official Symbol             | TPO                                                                    |
| NCBI Official Synonym Symbols    | MSA; TPX; TDH2A                                                        |
| NCBI Protein Information         | thyroid peroxidase; thyroid microsomal antigen; thyroperoxidase        |
| UniProt Protein Name             | Thyroid peroxidase                                                     |

|                            |            |
|----------------------------|------------|
| UniProt Gene Name          | TPO        |
| UniProt Synonym Gene Names | TPO        |
| UniProt Entry Name         | PERT_HUMAN |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/tpo-recombinant-protein/38255>