



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### TPO (Human) Recombinant Protein (P01)

**Catalog Number:** H00007173-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human TPO full-length ORF ( AAH95448.1, 1 a.a. - 933 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

```
MRALAVLSVTLVMACTEAFPPFISRGKELLWGKPEESR
VSSVLEESKRLVDTAMYATMQRNLKRGILSAAQLLSF
SKLPEPTSGVIARAAEIMETS IQAMKRKVNLTQQSQH
PTDALSEDLLSIANMSGCLPYMLPPKCPNTCLANKYR
PITGACNNRDHPRWGASNTALARWLPPVYEDGFSQP
RGWNPGLYNGFPLPPVREVTRHVIQVSNEVTTDDDR
YSDLLMAWGQYIDHDIAFTPQSTSKAAFGGGADCQMT
CENQNPCFPIQLPEEARPAAGTACLPFYRSSAACGTG
DQGALFGNLSTANPRQQMNGLTSLDASTVYGSSPAL
ERQLRNWTSAEGLLRVHARLRDSGRAYLPFVPPRAPA
ACAPEPGIPGETRGPCFLAGDGRASEVPSLTALHTLW
LREHNRLAAALKALNAHWSADAVYQEARVVVGHQII
TLRDYIPRILGPEAFQYVGPYEGYDSTANPTVSNVFS
TAAFRFGHATHIPLVRRLDASFQEHDPGLWLHQAF
FSPWTLRLGGGLDPLIRGLLARPAKLQVQDQLMNEEL
TERLFVLSNSSTLDLASINLQRGRDHGLPGYNEWREF
CGLPRLETPADLSTAIASRSVADKILDLYKHPDNIDVWL
GGLAENFLPRARTGPLFACLIGKQMKALRDGDWFWW
ENSHVFTDAQRRELEKHLSRVICDNTGLTRVPMDF
QVGKFPEDFESCDSITGMNLEAWRETFPQDDKCGFP
ESVENGDVHCEESGRRVLVYSCRHGYELQGREQLT
CTQEGWDFQPPLCKDVNECADGAHPPCHASARCRN
TKGGFQCLCADPYELGDDGRTCVDSGRLPRVTWISM
SLAALLIGGFAGLTSTVICRWTRTGTKSTLPISETGGGT
PELRCGKHQAVGTSPQRAAAQDSEQESAGMEGRDT
HRLPRAL
```

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 129.3

**Applications:** AP, Array, ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product

page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**Storage Buffer:** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 7173

**Gene Symbol:** TPO

**Gene Alias:** MSA, TPX

**Gene Summary:** 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. Additional splice variants have been described but their biological natures have not been determined. [provided by RefSeq]