

## Product datasheet for **TP325776M**

### Thyroid Hormone Receptor beta (THRB) (NM\_001128176) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human thyroid hormone receptor, beta (erythroblastic leukemia viral (v-erb-a) oncogene homolog 2, avian) (THRB), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC225776 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MTPNSMTENGLTAWDKPKHCPDREHDWKLVGMSEACLHRKSHSERRSTLKNEQSSPHLIQTTWTSSIFHL  
DHDDVNDQSVSSAQTFQTEEEKCKGYIPSYLDKDELVCVCGDKATGYHYRCITCEGCKGFFRRTIQKLNH  
PSYSCKYEGKCVIDKVTRNQCQECRFKCKCIYVGMATDLVLDDSKRLAKRKLIEENREKRRREELQKSIGH  
KPEPTDEEWELIKTVTEAHVATNAQGSHWKQKRKFLPEDIGQAPIVNAPEGGKVDLEAFSHFTKIITPAI  
TRVVDFAKKLPMFCELPCEDQIILLKGCCMEIMSLRAAVRYDPESETLTNGEMAVTRGQLKNGGLGVVS  
DAIFDLGMSLSSFNLDDETEVALLQAVLLMSSDRPGLACVERIEKYQDSFLLAFEHYINRKHVTHFWPK  
LLMKVTDLRMIGACHASRFLHMKVECPTELFPLFLEVFED

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	52.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP\\_001121648](#)

Locus ID: 7068

UniProt ID: [P10828](#), [A0A024R2I8](#)

RefSeq Size: 7527

Cytogenetics: 3p24.2

RefSeq ORF: 1383

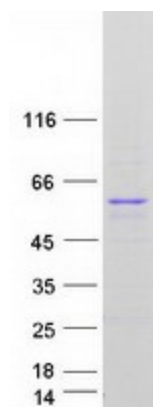
Synonyms: C-ERBA-2; C-ERBA-BETA; ERBA2; GRTH; NR1A2; PRTH; THR1; THRB1; THRB2; TRbeta

**Summary:** The protein encoded by this gene is a nuclear hormone receptor for triiodothyronine. It is one of the several receptors for thyroid hormone, and has been shown to mediate the biological activities of thyroid hormone. Knockout studies in mice suggest that the different receptors, while having certain extent of redundancy, may mediate different functions of thyroid hormone. Mutations in this gene are known to be a cause of generalized thyroid hormone resistance (GTHR), a syndrome characterized by goiter and high levels of circulating thyroid hormone (T3-T4), with normal or slightly elevated thyroid stimulating hormone (TSH). Several alternatively spliced transcript variants encoding the same protein have been observed for this gene. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome, Nuclear Hormone Receptor, Transcription Factors

**Protein Pathways:** Neuroactive ligand-receptor interaction

### Product images:



Coomassie blue staining of purified THRB protein (Cat# [TP325776]). The protein was produced from HEK293T cells transfected with THRB cDNA clone (Cat# [RC225776]) using MegaTran 2.0 (Cat# [TT210002]).