

Product datasheet for **TP300735M**

Thyroid Hormone Receptor alpha (THRA) (NM_003250) Human Recombinant Protein

Product data:

| | |
|-----------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human thyroid hormone receptor, alpha (erythroblastic leukemia viral (v-erb-a) oncogene homolog, avian) (THRA), transcript variant 2, 100 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA | >RC200735 protein sequence |
| Clone or AA Sequence: | Red=Cloning site Green=Tags(s) |

MEQKPSKVECGSDPEENSARSPDGKRKRKNGQCSLKTSMGYPYSLDKDEQCVVCGDKATGYHYRCITC
EGCKGFFRRTIQKNLHPTYSCKYDSCCVIDKITRNQCQLCRFKKCIAVGMAMDVLVDDSKRVAKRKLIEQ
NRERRRKEEMIRSLQQRPEPTPEEWDLIHIAATEAHRSTNAQGSHWKQRRKFLPDDIGQSPIVSMGDKV
DLEAFSEFTKIITPAITRVVDFAKKLPMFSELPCEQIILLKGCCEIMSLRAAVRYDPESDTLTLGEM
AVKREQLKNGGLGVVSDAIFELGKLSAFNLDDTEVALLQAVLLMSTDRSGLLCVDKIEKSQEAYLLAFE
HYVNRKHNIPHFWPKLLMKEREVQSSILYKGAAGRPGGSLGVHPEGQQLLGMHVQGPQVRQLEQQL
GEAGSLQGPVLQHQPSPQQRLELLHRSGILHARAVCGEDDSSEADSPSSSEEEPEVCEDLAGNAASP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

| | |
|----------------|--|
| Tag: | C-Myc/DDK |
| Predicted MW: | 54.6 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_003241](#)

Locus ID: 7067

UniProt ID: [P10827](#)

RefSeq Size: 2566

Cytogenetics: 17q21.1

RefSeq ORF: 1470

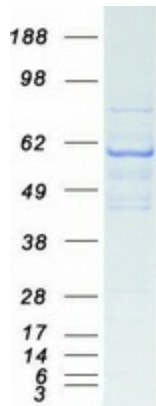
Synonyms: AR7; c-ERBA-1; CHNG6; EAR7; ERB-T-1; ERBA; ERBA1; NR1A1; THRA1; THRA2; TRalpha

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. Alternatively spliced transcript variants encoding distinct isoforms have been reported. [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 THRA protein (Cat# [TP300735]). The protein was produced from HEK293T cells transfected with THRA cDNA clone (Cat# [RC200735]) using MegaTran 2.0 (Cat# [TT210002]).