

## THRA Protein, Human, Recombinant (His)

## General Information

Synonyms:	THRA2;EAR7;Nuclear receptor subfamily 1 group A member 1;V-erbA-related protein 7 (EAR-7);NR1A1;c-erbA-alpha;THRA1;THRA;ERBA1;c-erbA-1;Thyroid hormone receptor alpha
Protein Construction:	1-490 aa
Species:	Human
Expression Host:	E. coli
Accession:	P10827
Molecular Weight:	58.9 kDa (predicted)
AA Sequence:	MEQKPSKVECGSDPEENSARSPDGKRKRKNGQCSLKTSMSGYIPSYLDKDEQCVVCGDKATGYHYRCITCEG CKGFFRRTIQKNLHPTYSCKYDSCCVIDKITRNQCQLCRFKKCIAVGMAMDLVLDDSKRVAKRKLIEQNRERRR KEEMIRSLQQRPEPTPEEWDLIHATEAHRSTNAQGSHWKQRRKFLPDDIGQSPIVSM PDGDKVDLEAFSEFT KIITPAITRVVDFAKKLPMFSELPCEQIILLKGCCMEIMSLRAAVRYDPESDTLTLGEMAVKREQLKNGGLGV VSDAIFELGKLSAFNLDDTEVALLQAVLLMSTDRSGLLCVDKIEKSQEAYLLAFEHYVNRKHNIPHFWPKLL MKEREVQSSILYKGAEEGRPGGSLGVHPEGQQLLGMHVVGQPVRQLEQQLGEAGSLQGPVLQHQSPKS PQQRLELLHRSGILHARAVCGEDDSSEADSPSSSEEEPEVCEDLAGNAASP

## QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

## Preparation and Storage

## Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

## Stability &amp; Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

## Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

## Protein Background

## A DRUG SCREENING EXPERT

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Nuclear hormone receptor that can act as a repressor or activator of transcription. High affinity receptor for thyroid hormones, including triiodothyronine and thyroxine.; Does not bind thyroid hormone and functions as a weak dominant negative inhibitor of thyroid hormone action.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

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