

Datasheet for ABIN7544313
THRA Protein (AA 1-490) (His tag)



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Overview

Quantity:	1 mg
Target:	THRA
Protein Characteristics:	AA 1-490
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This THRA protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat THRA Protein expressed in mammalian cells.
Sequence:	<p>MEQKPSKVEC GSDPEENSAR SPDGKRKRKN GQCSLKTSMS GYIPSYLDKD EQCVVCGDKA TGYHYRCITC EGCKGFFRRT IQKNLHPTYS CKYDSCCVID KITRNQCQLC RFKKCIAVGM AMDLVLDDSK RVAKRKLIEQ NRERRRKEEM IRSLQQRPEP TPEEWDLIHI ATEAHRSTNA QGSHWKQRRK FLPDDIGQSP IVSMPDGDGV DLEAFSEFTK IITPAITRVV DFAKKLPMFS ELPCEQIIL LKGCCMEIMS LRAAVRYDPE SDTLTLSGEM AVKREQLKNG GLGVVSDAIF ELGKSLSAFN LDDTEVALLQ AVLLMSTDRS GLLCVDKIEK SQEAYLLAFE HYVNHHRKHNI PHFWPKLLMK EREVQSSILY KGAAAEGRPG GSLGVHPEGQ QLLGMHVVGQ PQVRQLEQQL GEAGSLQGPV LQHQPSPSPQ QRLLELLHRS GILHARAVCG EDDSSEADSP SSSEEEPEVC EDLAGNAASP Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>

Product Details

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

THRA

Alternative Name:

THRA ([THRA Products](#))

Background:

Thyroid hormone receptor alpha (Nuclear receptor subfamily 1 group A member 1) (V-erbA-related protein 7) (EAR-7) (c-erbA-1) (c-erbA-alpha),FUNCTION: [Isoform Alpha-1]: Nuclear hormone receptor that can act as a repressor or activator of transcription. High affinity receptor for thyroid hormones, including triiodothyronine and thyroxine. {ECO:0000269|PubMed:12699376, ECO:0000269|PubMed:14673100, ECO:0000269|PubMed:18237438, ECO:0000269|PubMed:19926848}., FUNCTION: [Isoform Alpha-2]: Does not bind thyroid hormone and functions as a weak dominant negative inhibitor of thyroid hormone action. {ECO:0000269|PubMed:8910441}.

Molecular Weight:

54.8 kDa

UniProt:

[P10827](#)

Pathways:

[Nuclear Receptor Transcription Pathway](#), [Steroid Hormone Mediated Signaling Pathway](#), [Sensory Perception of Sound](#), [Cellular Response to Molecule of Bacterial Origin](#), [Regulation of](#)

Target Details

Lipid Metabolism by PPARalpha, Regulation of Muscle Cell Differentiation, Maintenance of Protein Location, Skeletal Muscle Fiber Development

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months