Thyroid Hormone Responsive (THRSP) ELISA Kit for Bovine

PRODUCT OVERVIEW

Product Name	Thyroid Hormone Responsive (THRSP), ELISA Kit
Full Product Name	Bovine Thyroid Hormone Responsive ELISA Kit
Product Gene Name	THRSP elisa kit
Species Reactivity	Bovine
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	16,561 Da
OMIM	601926
3D Structure	ModBase 3D Structure for Q92748
Related Product Information for THRSP elisa kit	MBS049598 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Thyroid Hormone Responsive (THRSP) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing THRSP. The ELISA analytical biochemical technique of the MBS049598 kit is based on THRSP antibody-THRSP antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect THRSP antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, THRSP. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of THRSP elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for THRSP. It may not necessarily be applicable to this product.

NCBI GI #	119595451
NCBI GeneID	7069
NCBI Accession #	EAW75045.1
UniProt Primary Accession #	Q92748
UniProt Secondary Accession #	B2R4W7
UniProt Related Accession #	Q92748
NCBI Official Full Name	thyroid hormone responsive (SPOT14 homolog, rat)
NCBI Official Synonym Full Names	thyroid hormone responsive
NCBI Official Symbol	THRSP
NCBI Official Synonym Symbols	S14; Lpgp; THRP; LPGP1; SPOT14
UniProt Protein Name	Thyroid hormone-inducible hepatic protein
UniProt Synonym Protein Names	Spot 14 protein
Protein Family	Thyroid hormone-inducible hepatic protein
UniProt Gene Name	THRSP

UniProt Synonym Gene Names	S14; SPOT14
UniProt Entry Name	THRSP_HUMAN
NCBI Protein Information	thyroid hormone-inducible hepatic protein; SPOT14 homolog; spot 14 protein; lipogenic protein 1; thyroid hormone responsive SPOT14; thyroid hormone responsive (SPOT14 homolog, rat)
NCBI Summary for THRSP	The protein encoded by this gene is similar to the gene product of S14, a rat gene whose expression is limited to liver and adipose tissue and is controlled by nutritional and hormonal factors. This gene has been shown to be expressed in liver and adipocytes, particularly in lipomatous modules. It is also found to be expressed in lipogenic breast cancers, which suggests a role in controlling tumor lipid metabolism. [provided by RefSeq, Jul 2008]
UniProt Comments for THRSP	THRSP: Plays a role in the regulation of lipogenesis, especially in lactating mammary gland. Important for the biosynthesis of triglycerides with medium-length fatty acid chains. May modulate lipogenesis by interacting with MID1IP1 and preventing its interaction with ACACA. May function as transcriptional coactivator. May modulate the transcription factor activity of THRB. Belongs to the SPOT14 family. Protein type: Unknown function Chromosomal Location of Human Ortholog: 11q14.1 Cellular Component: nucleoplasm; cytosol Molecular Function: protein homodimerization activity Biological Process: transcription, DNA-dependent; regulation of transcription, DNA-dependent; lipid metabolic process; regulation of lipid biosynthetic process
Research Articles on THRSP	**1.** N-terminally truncated human Thrsp and its selenomethionyl derivative were collected to 4.0, 3.0 and 3.6 A resolution
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