

## Recombinant Human THRSP, His-tagged

**Cat. No.** THRSP-7616H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                          |
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| <b>Product Overview</b> | Recombinant human THRSP protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>ProteinLength</b>    | 1-146aa                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>      | THRSP 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.? |
| <b>Form</b>             | Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol.                                                                                                                                                                                                                                                                                                                            |
| <b>Molecular Mass</b>   | 18.9kDa (169aa)                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | MGSSHHHHHH SSGLVPRGSH MGSMQVLTKR YPKNCLLTVM DRYAAEVHNM<br>EQVVMIPSL RDVQLSGPGG QAQAEAPDLY TYFTMLKAIC VDVDHGLLPR<br>EEWQAKVAGS EENGTAETEE VEDESASGEL DLEAQFHLHF SSLHHILMHL<br>TEKAQEVTRK YQEMTGQVW                                                                                                                                                                                                        |
| <b>Purity</b>           | >90% by SDS - PAGE                                                                                                                                                                                                                                                                                                                                                                                       |

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|----------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>  | SDS-PAGE                                                                                                                                 |
| <b>Storage</b>       | Can be stored at 4°C short term. For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles. |
| <b>Concentration</b> | 1 mg/ml                                                                                                                                  |

## GENE INFORMATION

|                            |                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | THRSP thyroid hormone responsive [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                |
| <b>Official Symbol</b>     | THRSP                                                                                                                                                                                                                                                                                                                                                            |
| <b>Synonyms</b>            | THRSP; thyroid hormone responsive; lipogenic protein 1 , LPGP1, thyroid hormone responsive SPOT14 (rat) homolog; thyroid hormone-inducible hepatic protein; Lpgp; S14; SPOT14; SPOT14 homolog (rat); SPOT14 homolog; spot 14 protein; lipogenic protein 1; thyroid hormone responsive SPOT14; thyroid hormone responsive (SPOT14 homolog, rat); LPGP1; MGC21659; |
| <b>Gene ID</b>             | 7069                                                                                                                                                                                                                                                                                                                                                             |
| <b>mRNA Refseq</b>         | NM_003251                                                                                                                                                                                                                                                                                                                                                        |
| <b>Protein Refseq</b>      | NP_003242                                                                                                                                                                                                                                                                                                                                                        |
| <b>MIM</b>                 | 601926                                                                                                                                                                                                                                                                                                                                                           |
| <b>UniProt ID</b>          | Q92748                                                                                                                                                                                                                                                                                                                                                           |
| <b>Chromosome Location</b> | 11q14.1                                                                                                                                                                                                                                                                                                                                                          |

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|-----------------|------------------------------------|
| <b>Function</b> | protein homodimerization activity; |
|-----------------|------------------------------------|

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