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Recombinant human THRSP protein

Catalog Number: ATGP2127

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-146aa

UniProt No.
Q92748

NCBI Accession No.
NP_003242

Alternative Names
Thyroid hormone-inducible hepatic protein, Lpgp, LPGP1, S14, SPOT14, THRP

PRODUCT SPECIFICATION

Molecular Weight
18.9 kDa (169aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
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. Recombinant human THRSP protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

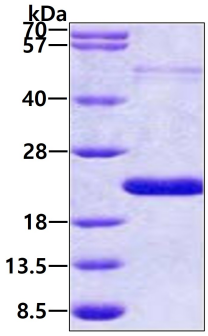
<MGSSHHHHHH SSGLVPRGSH MGS>MQVLTKR YPKNCLLTVM DRYAAEVHNM EQVVMIPSLL RDVQLSGPGG QAQAEAPDLY TYFTMLKAIC VDVDHGLLPR EEWQAKVAGS EENGTAETEE VEDESASGEL DLEAQFHLHF SSLHHILMHL TEKAQEVTRK YQEMTGQVW

General References

Taviaux S, Planells R, et al. (1997). Cytogenet Cell Genet. 76(3-4):219-20.
Moncur JT, Park JP, et al. (2003). Proc Natl Acad Sci u S A. 95(12):6989-94.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.