Bioworld Technology CO., Ltd.

LRAT Peptide

Cat No.: BS5783P

Background

Lecithin retinol acyltransferase (LRAT) is a membrane bound enzyme that catalyzes the transfer of an acyl group from the sn-1 position of lecithin to vitamin A which generates all-trans-retinyl esters (tREs) in the liver, some extrahepatic tissues, such as the lung, and retinal pigmented epithelium. LRAT can also exchange palmitoyl groups between RPE65, a tRE binding protein essential for vision, and tREs, which is important for the operation of the visual pathway. LRAT is essential for the dietary mobilization, transport, and storage of vitamin A as well as the synthesis of the visual pigment chromophore. LRAT monomers interact in membranes to form homodimers through disulfide bond formation. A loss of LRAT correlates with an early onset severe retinal dystrophy and severe retinyl ester deprivation, while a reduction in LRAT expression may be associated with invasive bladder cancer.

Swiss-Prot

O95237

Applications

Blocking

Specificity

This peptide can be used with studies using BS5783 LRAT pAb.

Purification & Purity

Synthetic peptide LRAT. (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Research Use

For research use only, not for use in diagnostic procedure.

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