

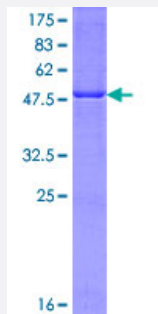
Full-Length

LRAT (Human) Recombinant Protein (P01)

Catalog # H00009227-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human LRAT full-length ORF (AAH31053.1, 1 a.a. - 230 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MKNPMLEVVSLLLEKLLISNFTLFSSGAAGEDKGRNSFYETSSFHRGDVLEVPRTHLTHYGYLG
DNRVAHMMPDILLALTDDMGRTQKVVS NKRLILGVIVKVASIRVDTVEDFAYGANILVNHLDLQK
KALLNEEVARRAEKLLGFTPYSLLWNNCEHFVTCRYGTPISPQSDKFCETVKIIIRDQRSVLASAV
LGLASIVCTGLVSYTTLPAIFIPFFLWMAG

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

51.04

Interspecies Antigen Sequence

Mouse (80); Rat (78)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — LRAT

Entrez GeneID	9227
GeneBank Accession#	BC031053
Protein Accession#	AAH31053.1
Gene Name	LRAT
Gene Alias	MGC33103
Gene Description	lecithin retinol acyltransferase (phosphatidylcholine--retinol O-acyltransferase)
Omim ID	604863
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a microsomal enzyme that catalyzes the esterification of all-trans-retinol into all-trans-retinyl ester, an essential reaction for the retinoid cycle in visual system and vitamin A status in liver. Mutations in this gene have been associated with early-onset severe retinal dystrophy. [provided by RefSeq]
Other Designations	lecithin retinol acyltransferase

Pathway

- [Retinol metabolism](#)

Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Diabetes Complications](#)
- [Genetic Predisposition to Disease](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Retinal Diseases](#)
- [Retinitis Pigmentosa](#)