

## Recombinant Human LSS Protein, GST-tagged

**Cat. No.** LSS-4600H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human LSS partial ORF ( NP_001001438.1, 633 a.a. - 732 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | The protein encoded by this gene catalyzes the conversion of (S)-2,3 oxidosqualene to lanosterol. The encoded protein is a member of the terpene cyclase/mutase family and catalyzes the first step in the biosynthesis of cholesterol, steroid hormones, and vitamin D. Alternative splicing results in multiple transcript variants encoding different isoforms |
| <b>Molecular Mass</b>   | 36.74 kDa                                                                                                                                                                                                                                                                                                                                                         |
| <b>AA Sequence</b>      | FESCEERRYLQSAQSQIHNTCWAMMGLMAVRHPDIEAQERGVRCLLEKQLPNGDW<br>PQENIAGVFNKSCAISYTSYRNIFPIWALGRFSQLYPERALAGHP                                                                                                                                                                                                                                                          |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array                                                                                                                                                                                                                                                 |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                                                                                                                                                                                            |

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**Storage** Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

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

## GENE INFORMATION

**Gene Name** LSS lanosterol synthase (2,3-oxidosqualene-lanosterol cyclase) [ Homo sapiens ]

**Official Symbol** LSS

**Synonyms** LSS; lanosterol synthase (2,3-oxidosqualene-lanosterol cyclase); lanosterol synthase; OSC; hOSC; oxidosqualene--lanosterol cyclase; 2,3-epoxysqualene-lanosterol cyclase; 2,3-epoxysqualene--lanosterol cyclase; FLJ25486; FLJ35015; FLJ39450; FLJ46393;

**Gene ID** 4047

**mRNA Refseq** NM\_001001438

**Protein Refseq** NP\_001001438

**MIM** 600909

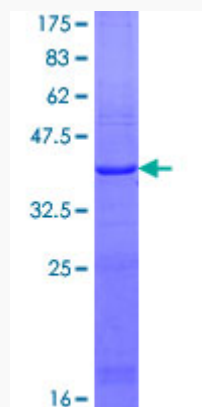
**UniProt ID** P48449

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**Quality Control  
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue

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