

## Recombinant human LGALS13, His-tagged

**Cat. No.** LGALS13-2493H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human LGALS13 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>Description</b>      | Lysophospholipases are enzymes that act on biological membranes to regulate the multifunctional lysophospholipids. The protein encoded by this gene has lysophospholipase activity. It is composed of two identical subunits which are held together by disulfide bonds. This protein has structural similarity to several members of the beta-galactoside-binding S-type lectin family. |
| <b>Form</b>             | Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol, 1mM DTT.                                                                                                                                                                                                                                                                                                   |
| <b>Molecular Mass</b>   | 18.5kDa (162aa), confirmed by MALDI-TOF                                                                                                                                                                                                                                                                                                                                                  |
| <b>AA Sequence</b>      | MGSSHHHHHH SSGLVPRGSH MGSMSSLPVP YKLPVSLSVG SCVIKGTPI<br>HSFINDPQLQ VDFYTDMDDED SDIAFRFRVH FGNHVVMMNRREFGIWMLEET<br>TDYVPFEDGK QFELCIYVHY NEYEIKVNGI RIYGFVHRIP PSFVKMVQVS<br>RDISLTSVCV CN                                                                                                                                                                                              |
| <b>Purity</b>           | >95% by SDS - PAGE                                                                                                                                                                                                                                                                                                                                                                       |

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|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>        | SDS-PAGE                                                                                                                                                                                                                            |
| <b>Storage</b>             | Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.                                                                                  |
| <b>Concentration</b>       | 0.25 mg/ml (determined by Bradford assay)                                                                                                                                                                                           |
| <b>GENE INFORMATION</b>    |                                                                                                                                                                                                                                     |
| <b>Gene Name</b>           | LGALS13 lectin, galactoside-binding, soluble, 13 [ Homo sapiens ]                                                                                                                                                                   |
| <b>Official Symbol</b>     | LGALS13                                                                                                                                                                                                                             |
| <b>Synonyms</b>            | LGALS13; lectin, galactoside-binding, soluble, 13; galactoside-binding soluble lectin 13; galectin 13; PLAC8; PP13; gal-13; galectin-13; placental protein 13; placental tissue protein 13; beta-galactoside-binding lectin; GAL13; |
| <b>Gene ID</b>             | 29124                                                                                                                                                                                                                               |
| <b>mRNA Refseq</b>         | NM_013268                                                                                                                                                                                                                           |
| <b>Protein Refseq</b>      | NP_037400                                                                                                                                                                                                                           |
| <b>MIM</b>                 | 608717                                                                                                                                                                                                                              |
| <b>UniProt ID</b>          | Q9UHV8                                                                                                                                                                                                                              |
| <b>Chromosome Location</b> | 19q13.1                                                                                                                                                                                                                             |
| <b>Function</b>            | carboxylesterase activity; hydrolase activity; lysophospholipase activity; sugar binding;                                                                                                                                           |

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