

# Recombinant Human LGALS7B Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** LGALS7B-4976H    **Lot. No.** (See product label)

## SPECIFICATION

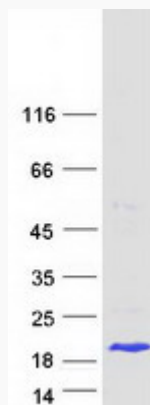
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|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | LGALS7B MS Standard C13 and N15-labeled recombinant protein (NP_001035972) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>      | The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. Differential and in situ hybridization studies indicate that this lectin is specifically expressed in keratinocytes and found mainly in stratified squamous epithelium. A duplicate copy of this gene (GeneID:3963) is found adjacent to, but on the opposite strand on chromosome 19. |
| <b>Molecular Mass</b>   | 15.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>AA Sequence</b>      | MSNVPHKSSLPEGIRPGTVLRIRGLVPPNASRFHVNLLCGEEQGSDAALHFNPRLD<br>SEVVFNSKEQGSWGREGPGVPFQRGQPFEVLIIASDDGFKAVVGDAQYHHFRH<br>RLPLARVRLVEVGQDVQLDSVRIFTRTRPLEQKLISEEDLAANDILDYKDDDDKV                                                                                                                                                                                                                                            |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                             |
| <b>Stability</b>        | Stable for 3 months from receipt of products under proper storage and handling conditions.                                                                                                                                                                                                                                                                                                                              |

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|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>          | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                     |
| <b>Concentration</b>    | 50 µg/mL as determined by BCA                                                                                                                                                                                                                                   |
| <b>Storage Buffer</b>   | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                                                                                                                                                                                         |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                 |
| <b>Gene Name</b>        | LGALS7B galectin 7B [ Homo sapiens (human) ]                                                                                                                                                                                                                    |
| <b>Official Symbol</b>  | LGALS7B                                                                                                                                                                                                                                                         |
| <b>Synonyms</b>         | LGALS7B; lectin, galactoside-binding, soluble, 7B; galectin-7; GAL7; galectin 7B; galectin-7B; p53-induced protein 1; keratinocyte lectin 14; p53-induced gene 1 protein; lectin galactoside-binding soluble 7; PI7; Gal-7; HKL-14; LGALS7; MGC75149; MGC88745; |
| <b>Gene ID</b>          | 653499                                                                                                                                                                                                                                                          |
| <b>mRNA Refseq</b>      | NM_001042507                                                                                                                                                                                                                                                    |
| <b>Protein Refseq</b>   | NP_001035972                                                                                                                                                                                                                                                    |
| <b>MIM</b>              | 617139                                                                                                                                                                                                                                                          |
| <b>UniProt ID</b>       | P47929                                                                                                                                                                                                                                                          |

**SDS-PAGE**

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