

# Recombinant Human LGALS7 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** LGALS7-4263H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | LGALS7 MS Standard C13 and N15-labeled recombinant protein (NP_002298) 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:653499) is found adjacent to, but on the opposite strand on chromosome 19. |
| <b>Molecular Mass</b>   | 14.9 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.                     |

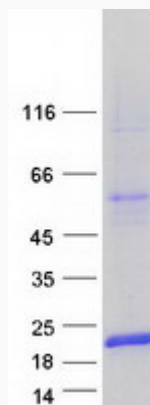
## GENE INFORMATION

|                        |                                                                                                       |
|------------------------|-------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | LGALS7 galectin 7 [ Homo sapiens (human) ]                                                            |
| <b>Official Symbol</b> | LGALS7                                                                                                |
| <b>Synonyms</b>        | LGALS7; lectin, galactoside-binding, soluble, 7; galectin-7; GAL7; galectin 7; LGALS7A; PIG1; TP53I1; |
| <b>Gene ID</b>         | 3963                                                                                                  |
| <b>mRNA Refseq</b>     | NM_002307                                                                                             |
| <b>Protein Refseq</b>  | NP_002298                                                                                             |
| <b>MIM</b>             | 600615                                                                                                |
| <b>UniProt ID</b>      | P47929                                                                                                |

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**SDS-PAGE**

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