

# Active Recombinant Human LGALS4 Protein, His tagged

**Cat. No.** LGALS4-1802H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Galectin-4 protein was expressed in E. coli and purified by using conventional chromatography techniques.                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                            |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | 1-323 aa                                                                                                                                                                                                                                                         |
| <b>Description</b>      | The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. The expression of this gene is restricted to small intestine, colon, and rectum, and it is underexpressed in colorectal cancer. |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                           |
| <b>Bio-activity</b>     | The ED50 $\leq 2$ $\mu$ g/mL. Measured by its ability to agglutinate human red blood cells.                                                                                                                                                                      |
| <b>Molecular Mass</b>   | 38.1 kDa                                                                                                                                                                                                                                                         |
| <b>AASequence</b>       | MAYVPAPGYQPTYNPTLPYYQPIPGGLNVGMSVYIQGVASEHMKRFFVNFVVGQDP<br>GSDVAFHFNPFRDGDWVKVFNLTQGGKWGSEERKRSMPPFKKGAAFELVFIVLAEH<br>YKVVVNGNPFYEGHRLPLQMVTHLQVDGDLQLQSINFIGGQPLRPQGPPMPPY<br>PGPGHCHQQLNSLPTMEGPPTFNPPVPYFGRLQGGLTARRTIIKGYVPPTGKSFAI                        |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                         |                                                                                                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         | NFKVGSSGDIALHINPRMGNGTVVRNSLLNGSWGSEEKKITHNPFGPGQFFDLSIRC<br>GLDRFKVYANGQHLFDFAHRLSAFQRVDTLEIQGDVTL SYVQI                                                              |
| <b>Endotoxin</b>        | <1 EU/μg by LAL                                                                                                                                                        |
| <b>Purity</b>           | > 95% by SDS-PAGE                                                                                                                                                      |
| <b>Applications</b>     | SDS-PAGE, Bioactivity                                                                                                                                                  |
| <b>Notes</b>            | For research use only. This product is not intended or approved for human, diagnostics or veterinary use.                                                              |
| <b>Storage</b>          | Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.        |
| <b>Concentration</b>    | 1 mg/mL (determined by Bradford assay)                                                                                                                                 |
| <b>Reference</b>        | 1. Huflejt ME., et al. (1997) J Biol Chem. 272(22):14294-303. 2. Huflejt ME., et al. (2004) Glycoconj J. 20(4):247-55.                                                 |
| <b>Storage Buffer</b>   | Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT                                                                                              |
| <b>GENE INFORMATION</b> |                                                                                                                                                                        |
| <b>Gene Name</b>        | LGALS4 galectin 4 [ Homo sapiens (human) ]                                                                                                                             |
| <b>Official Symbol</b>  | LGALS4                                                                                                                                                                 |
| <b>Synonyms</b>         | LGALS4; galectin 4; GAL4; L36LBP; galectin-4; L-36 lactose-binding protein; antigen NY-CO-27; gal-4; lactose-binding lectin 4; lectin, galactoside-binding, soluble, 4 |

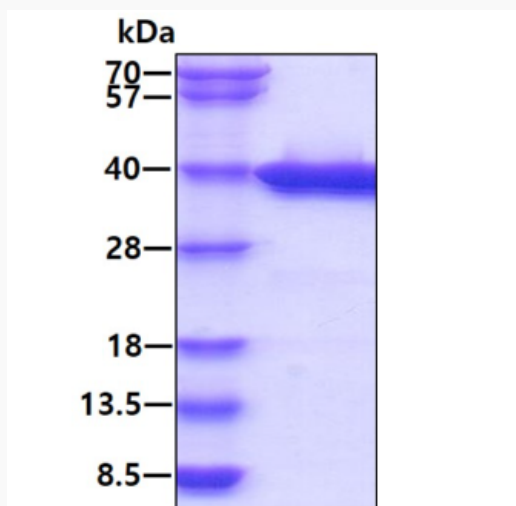
 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                |           |
|----------------|-----------|
| Gene ID        | 3960      |
| mRNA Refseq    | NM_006149 |
| Protein Refseq | NP_006140 |
| MIM            | 602518    |
| UniProt ID     | P56470    |

#### SDS-PAGE and WB



3 µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain.