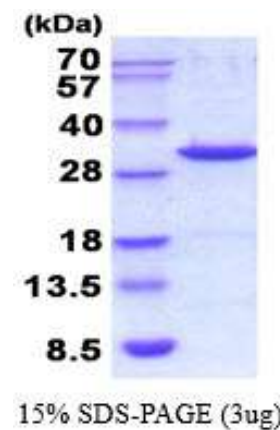


## Galectin-3, mouse recombinant

|                             |  |
|-----------------------------|--|
| <b>CATALOG NO:</b>          | P1045-10      10 µg<br>P1045-50      50 µg   |
| <b>ALTERNATE NAMES:</b>     | Lectin, galactose binding, soluble 3, CBP35, GAL3, GALBP, GALIG, LGALS2, MAC2  |
| <b>CONCENTRATION:</b>       | 0.5 mg/ml (determined by Bradford assay)   |
| <b>SOURCE:</b>              | <i>E.coli</i> expressed recombinant Galectin-3 protein, fused to His-tag at N-terminus (1-264aa).  |
| <b>PURITY:</b>              | > 95% by SDS-PAGE  |
| <b>MOL. WEIGHT:</b>         | This protein is fused with 6x His tag at N terminus and the protein has a calculated MW of 29.8 kDa (287aa) confirmed by MALDI-TOF   |
| <b>FORM:</b>                | Liquid   |
| <b>FORMULATION:</b>         | In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 50% glycerol, 1mM DTT, 2mM EDTA  |
| <b>STORAGE CONDITIONS:</b>  | Store at +4°C for short term (1-2 weeks). For long term storage, aliquot and store at -70°C. Avoid repeated freeze/thaw cycles.  |
| <b>SEQUENCE:</b>            | MGSSHHHHHH SSSLVPRGSH MGSMADSFSL NDALAGSGNP<br>NPQGYPGAWG NQPGAGGYPG AAYPGAYPGQ APPGAYPGQA<br>PPGAYPGQAP PSAYPGPTAP GAYPGPTAPG AYPGSTAPGA<br>FPGQPGAPGA YPSAPGGYPA AGPYGVPAGP LTVPYDLPLP<br>GGVMPRMLIT IMGTVKPNAN RIVLDFRRGN DVAFHFNPRF<br>NENRRRVIVC NTKQDNNWGK EERQSAPFFE SGKPFKIQVL<br>VEADHFKVAV NDAHLLQYNH RMKNLREISQ LGISGDITLT<br>SANHAMI   |
| <b>DESCRIPTION:</b>         | LGALS3, also known as galectin 3, is a member of the family of animal lectins, which selectively binds betagalactosid residues. This protein is secreted from cells by ectocytosis, which is independent of the classical secretory pathway through the endoplasmic reticulum/Golgi network. LGALS3 has been associated with the inhibition of apoptosis and the progression of cancer. It is normally distributed in epithelia of many organs, in various inflammatory cells, including macrophages, as well as dendritic cells and Kupffer cells. The expression of this lectin is up-regulated during inflammation, cell proliferation, cell differentiation and through trans-activation by viral proteins. Recombinant mouse LGALS3 protein, used to Histag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. |
| <b>BIOLOGICAL ACTIVITY:</b> | The ED50 for this effect is ≤25 µg/ml. Measured by its ability to agglutinate human red blood cells.   |



Mouse recombinant Galectin-3

### RELATED PRODUCT:

- LGALS8, human recombinant (**Cat. No. 7367-50**)
- LGALS8, mouse recombinant (**Cat. No. 7366-50**)
- Galectin-4, human recombinant (**Cat. No. 7364-100**)
- Galectin-9, human recombinant (**Cat. No. 7365-50**)
- Galectin-3, human recombinant (**Cat. No. 4684-50**)
- Galectin-7, human recombinant (**Cat. No. 1135-100**)
- Galectin-1, human recombinant (**Cat. No. 4648-10**)
- Galectin-1 Antibody (**Cat. No. 3596-100**)
- Galectin-3 Antibody (**Cat. No. 5684-100**)
- Galectin-9 Antibody (**Cat. No. 3827-10**)
- Galectin-9 Blocking Peptide (**Cat. No. 3827BP-50**)

**FOR RESEARCH USE ONLY! Not to be used on humans.**