

## Recombinant Human Galectin-7

**CATALOG #:** 4647-10 10 µg  
4647-50 50 µg  
4647-1000 1 mg

**SOURCE:** *E. coli*

**PURITY:** ≥98% by SDS-PAGE and HPLC

**FORM:** Sterile filtered and lyophilized with no additives

### RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. This solution can then be diluted into other aqueous buffers and stored at 4° C for 1 week or – 20° C for future use.

### STORAGE CONDITIONS:

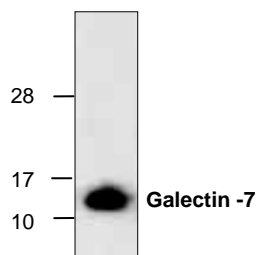
The lyophilized protein is best-stored desiccated below 0° C. Reconstituted Galectin-7 should be stored in working aliquots at -20° C.

### DESCRIPTION:

Galectin-7 belongs to growing family of evolutionary conserved animal lectins. Galectins consists of beta-galactoside binding lectins that contain homologous carbohydrate recognition domains (CRDs). Galectin has the ability to induce apoptosis of activated T-cells and T-leukemia cell lines. Other activities include cell differentiation and inhibition activity of CD45 protein phosphatase activity. Galectin also binds beta-galactoside as well as CD45, CD3 and CD4. Recombinant Human Galectin-7 is a ~15.4 kDa protein consisting of 139 amino acid residues.

### BIOLOGICAL ACTIVITY:

Measured by its ability to agglutinate human red blood cells. The ED<sub>50</sub> for the effect is typically 1-7 µg/ml.



**Cat. #: 4647-10**  
Purity of recombinant human Galectin-7 (2 µg) was analyzed by SDS-PAGE electrophoresis.

### RELATED PRODUCTS:

#### Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

#### Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

#### Cell Proliferation & Senescence

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- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

#### Cell Damage & Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

#### Signal Transduction

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- Akt & JNK Activity Assay Kits
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- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
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- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β-Galactosidase Staining Kit & Luciferase Reporter Assay Kit

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#### Monoclonal and Polyclonal Antibodies

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