



## Galectin-8, His tag, mouse recombinant (rmLGALS8-His)

**Catalog No:** 97604  
**Lot No:** XXXXX  
**Source:** *E. coli*  
**Synonyms:** Galectin-8, Gal-8, LGALS-8, A1326142, D13Erd524e, 1200015E08Rik

### Background

LGALS8 is a prostate-specific antigen that is solely overexpressed in malignant tumors and thus is a supplementary specific identifier of malignancies. LGALS8 is part of the galectin gene family which facilitates both cell-cell and cell matrix interactions in a method parallel to the selectin subgroup of C-type lectins.

### Description

LGALS8 mouse recombinant produced *E. coli* is a single polypeptide chain containing 339 amino acids (1-316) and having a molecular mass of 38 kDa. LGALS8 is fused to a 23 amino acid His Tag at N-terminus and purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile filtered colorless solution.

### Formulation

The LGALS8 solution (0.5 mg/ml) contains 20 mM Tris-HCl buffer (pH 8.0), 0.15 M NaCl, 20% glycerol and 1 mM DTT.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Purity

Greater than 90.0% as determined by SDS-PAGE.

### Amino Acid Sequence

MGSSHHHHHH SSSLVPRGSH MGSMLSLNLL QNIIYNPIIP YVGTITEQLK PGSLIVIRGH VPKDSERFQV DFQLGNSLKP  
RADVAFHFNPF RFRKSSCIVC NTLTQEKWGW EEITYDMPFR KEKSFEIVFM VLKNKFQVAV NGRHVLLYAH RISPEQIDTV  
GIYGKVNIIHS IGFRFSSDLQ SMETSALGLT QINRENIQKP GKLQLSLPFE ARLNASMGPG RTVVIKGEVN TNARSFNVDL  
VAGKTRDIAL HLNPRNLNVKA FVRNSFLQDA WGEEERNITC FPFSSGMYFE MIIYCDVREF KVAINGVHSL EYKHRFKDLS  
SIDTLSVDGD IRLLDVRSW

### Activity

The ED50 for this effect is 3.9 - 15.63 µg/ml. Measured by its ability to agglutinate human red blood cells.

### Usage

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