

---

## Product Data Sheet

---

Product Name: LGALS8 Mouse  
 Cat. No.: GP20291  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Galectin-8; Gal-8; LGALS-8; AI326142; D13ErtD524e; 1200015E08Rik.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMLSLNNL QNIIYNPIIP YVGTITEQLK PGSLIVIRGH VPKDSERFQV DFQLGNSLKP RADVAFHFNP RFKRSSCIVC NTLTQEKWGW EEITYDMPFR KEKSFEIVFM VLKNKFQVAV NGRHVLLYAH RISPEQIDTV GIYGKVNHS IGFRFSSDLQSMETSALGLT QINRENIQKP GKLQLSLPFE ARLNASMGPG RTVVIKGEVN TNARSFNVDL VAGKTRDIAL HLNPRNLVKA FVRNSFLQDA WGEEERNITC FPFSSGMYFE MIIYCDVREF KVAINGVHSL EYKHRFKDLS SIDTSLVDGD IRLLDVRSW.		
Formulation	The LGALS8 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT.		

### Introduction

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.

### Biological Activity

The ED50 for this effect is  $\leq 2\mu\text{g/ml}$ . Measured by its ability to agglutinate human red blood cells.

### 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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

---

## Product Data Sheet

---

### Background

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

**Caution: Product has not been fully validated for medical applications. For research use only.**

**Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com**

**Address: 10292 Central Ave. #205, Montclair, CA, USA**