

Galectin-8, Mouse Recombinant

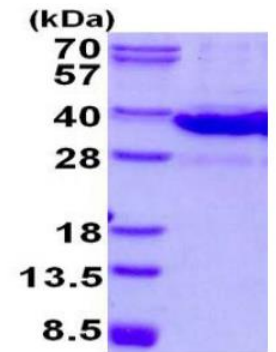
CATALOG #:	7366-50	50 µg
ALTERNATE NAMES:	Lectin, galactose binding, soluble 8, LGALS8	
SOURCE:	<i>E. coli</i>	
PURITY:	≥ 90% by SDS-PAGE	
FORM:	Liquid	
FORMULATION:	0.5 mg/ml in 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 0.15 M NaCl and 20% glycerol.	
MOL. WEIGHT:	38 kDa (339 aa, 1-316 aa + His Tag).	

STORAGE CONDITIONS: Can be stored at 4 °C for one week. For long term storage, aliquot and store at -20 °C or -80 °C. Avoid repeated freezing and thawing cycles.

DESCRIPTION: Galectin-8, also known as prostate-specific membrane antigen (PCTA1), is an additional prostate-specific antigen that is overexpressed only in malignant tumors and therefore is a more specific identifier of malignancies. It is a member of the galectin gene family which mediates both cell-cell and cell matrix interactions in a manner similar to the selectin subgroup of C-type lectins. Recombinant mouse Galectin-8 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

AMINO ACID SEQUENCE: MGSSHHHHHH SSGLVPRGSH MGSMLSLNNL QNIIYNPIIP
YVGTITEQLK PGSLIVIRGH VPKDSERFQV DFQLGNSLKP RADVAFHFNP
RFKRSSCIVC NTLTQEKWGW EEITYDMPFR KEKSFEIVFM VLKNKFQVAV
NGRHVLLYAH RISPEQIDTV GIYGVNIHS IGRFSSDLQ SMETSALGLT QINRENIQKP
GKLQLSLPFE ARLNASMGPG RTVVIKGEVN TNARSFNVDL VAGKTRDIAL
HLNPRNLNVKA FVRNSFLQDA WGEERENITC FPFSSGMYFE MIIYCDVREF
KVAINGVHSL EYKHRFKDLS SIDTLSVDGD IRLLDVRSW

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



15% SDS-PAGE (3ug)
LGALS8, mouse recombinant

RELATED PRODUCTS:

- Galectin-1, human recombinant (**Cat. No. 4648-10, -50, -1000**)
- Galectin-3, human recombinant (**Cat. No. 4684-10, -50, -1000**)
- Galectin-7, human recombinant (**Cat. No. 4647-10, -50, -1000**)
- Galectin-4, human recombinant (**Cat. No. 7364-100**)
- Galectin-1 Antibody (**Cat. No. 3596-100**)
- Galectin-3 Antibody (**Cat. No. 3591-100**)
- Galectin-3 Antibody (**Cat. No. 5684-100**)
- Galectin-7 Antibody (**Cat. No. 5647-100**)
- Galectin-9 Antibody (**Cat. No. 3827-100**)

FOR RESEARCH USE ONLY! Not to be used in humans.