

# Galectin-8, Human Recombinant

**CATALOG #:** 7367-10 10 µg  
7367-50 50 µg

**ALTERNATE NAMES:** Gal-8, PCTA1, Po66-CBP, Prostate carcinoma tumor antigen 1, LGALS8

**SOURCE:** *E. coli*

**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, 0.1 M NaCl and 10% glycerol.

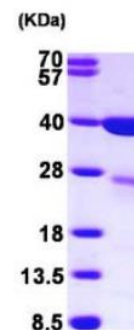
**MOL. WEIGHT:** 37.9 kDa (337 aa, 1-317 aa + His Tag).

**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:** LGALS8, 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 human LGALS8 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

**AMINO ACID SEQUENCE:** MGSSHHHHHH SGLVPRGSH MMLSLNNLQN  
IYNPVIPIV GTIPDQLDPG TLIVIRGHVP SDADRFQVDL QNGSSMKPRA  
DVAFHFNPRF KRAGCIVCNT LINEKWGREE ITYDTPFKRE KSFEIVIMVL  
KDKFQVAVNG KHTLLYGHRI GPEKIDTLGI YGKVNIHSIG FSFSSDLQST QASSLELTEI  
SRENVPKSGT PQLRLPFAAR LNTPMGPGRT VVVKGEVNAN AKSFNVDLLA  
GKSKDIALHL NPRLNIKAFV RNSFLQESWG EEERNITSFP FSPGMYFEMI  
IYCDVREFKV AVNGVHSLEY KHRFKELSSI DTLEINGDIH LLEVRWSW

**BIOLOGICAL ACTIVITY:** The ED<sub>50</sub> for this effect is 5 – 10 µg/ml. Measured by its ability to agglutinate human red blood cells.



15% SDS-PAGE (3µg)  
LGALS8, human 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.**

