

Galectin-1, human recombinant protein

Galectin-1, Lectin galactoside-binding soluble 1, β -galactoside- binding lectin L-14-I, Lactose-bind
Catalog # PBV10343r

Specification

Galectin-1, human recombinant protein - Product info

Primary Accession [P09382](#)
Calculated MW **14.5 kDa KDa**

Galectin-1, human recombinant protein - Additional Info

Gene ID **3956**
Gene Symbol **LGALS1**

Other Names

Galectin-1, Lectin galactoside-binding soluble 1, β -galactoside- binding lectin L-14-I, Lactose-binding lectin 1, S-Lac lectin 1, Galaptin, 14 kDa lectin, HPL, HBL, Putative MAPK-activating protein PM12, GBP, DKFZp686E23103

Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE; $\geq 98\%$
Assay2&Purity2	HPLC;
Recombinant	Yes
Results	2.5 $\mu\text{g/ml}$
Target/Specificity	
Galectin-1	

Application Notes

Reconstitute in H_2O 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° for future use.

Format

Lyophilized protein

Storage

-20°C; Sterile filtered and lyophilized from 20 mM Tris, pH 7.5.

Galectin-1, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

- [Flow Cytometry](#)
- [Cell Culture](#)

Galectin-1, human recombinant protein - Images

Galectin-1, human recombinant protein - Background

Galectin-1 belongs to growing family of evolutionary conserved animal lectins. Galectins consists of β -galactoside binding lectins that contain homologous carbohydrate recognition domains (CRDs). Galectin-1 has the ability to induce apoptosis of activated T-cells and T-leukaemia cell lines. Other activities include cell differentiation and inhibition activity of CD45 protein phosphatase activity. Galectin also binds β -galactoside as well as CD45, CD3 and CD4. Recombinant Human Galectin is a 14.5 kDa protein consisting of 134 amino acid residues.

Galectin-1, human recombinant protein - References

Hirabayashi J.,et al.Biochim. Biophys. Acta 1008:85-91(1989).
Couraud P.-O.,et al.J. Biol. Chem. 264:1310-1316(1989).
Abbott W.M.,et al.Biochem. J. 259:291-294(1989).
Than N.G.,et al.Proc. Natl. Acad. Sci. U.S.A. 105:15819-15824(2008).
Gitt M.A.,et al.Biochemistry 30:82-89(1991).