



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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Product Number	OPPA01623
Product Page	<a href="http://www.avivasysbio.com/lgals1-protein-oppa01623.html">www.avivasysbio.com/lgals1-protein-oppa01623.html</a>
Name	LGALS1 Protein (OPPA01623)
Protein Size (# AA)	Recombinant amino acids
NCBI Gene Id	3956
Host	E. Coli
Purity	Greater than 95.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Alias Symbols	GBP, GAL1
Peptide Sequence	ACGLVASNLN LKPGECLRVR GEVAPDAKSF VLNLGKDSNN LCLHFNPRFN AHGDANTIVC NSKDGGAWGT EQREAVFPFQ PGSVAEVCIT FDQANLTVKL PDGYEFKFPN RLNLEAINYM AADGDFKIKC VAFD.
Product Format	The Galectin-1 protein was lyophilized from a concentrated (1mg/ml) containing 10mM sodium phosphate buffer, pH-7.5. Physical appearance: Sterile Filtered White lyophilized (freeze-dried) powder.
Description of Target	Recombinant Human Galectin-1
Reconstitution and Storage	Lyophilized Galectin-1 Recombinant although stable at room temperature for 3 weeks, should be stored desiccated below -18C. Upon reconstitution Galectin-1 should be stored at 4C between 2-7 days and for future use below -18C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Datasheets/Manuals	Printable datasheet for <a href="#">OPPA01623</a>
Additional Information	<b>Solubility:</b> It is recommended to reconstitute the lyophilized LGALS1 in sterile 18M Omega -cm H <sub>2</sub> O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Additional Information	<b>Biological Activity:</b> Human Galectin-1 is a chemoattractant for human blood monocytes. ED50 range is from 0.05 - 3.0 ug/ml.
Additional Information	<b>Protein Content:</b> UV spectroscopy at 280 nm using the absorbency value of 0.59 as the extinction coefficient for a 0.1% (1mg/ml) solution. This value is calculated by the PC GENE computer analysis program of protein sequences (IntelliGenetics). <b>Protein Content:</b> UV spectroscopy at 280 nm using the absorbency value of 0.59 as the extinction coefficient for a 0.1% (1mg/ml) solution. This value is calculated by the PC GENE computer analysis program of protein sequences (IntelliGenetics).
Additional Information	<b>Product Introduction:</b> The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. Galectin-1 is an autocrine negative growth factor that regulates cell proliferation. Galectin-1 regulates cell apoptosis and cell differentiation. Galectin-1 binds CD45, CD3 and CD4 & inhibits CD45 protein phosphatase activity and therefore the dephosphorylation of lyn kinase. Galectin-1 and its ligands are one of the master regulators of immune responses as T-cell homeostasis and survival, T-cell immune disorders, inflammation and allergies as well as host - pathogen interactions. Galectin-1 expression or overexpression in tumors and/or the tissue surrounding them must be considered as a sign of the malignant tumor progression that is often related to the long-range dissemination of tumoral cells (metastasis), to their dissemination into the surrounding normal tissue, and to tumor immune-escape. Galectin-1 in its oxidized form plays a number of important roles in the regeneration of the central nervous system after injury. The targeted overexpression (or delivery) of Galectin-1 should be considered as a method of choice for the treatment of some kinds of inflammation-related diseases, neurodegenerative pathologies and muscular dystrophies. In contrast, the targeted inhibition of Galectin-1 expression is what should be developed for therapeutic applications against cancer progression. Galectin-1 is thus a promising molecular target for the development of new and original therapeutic tools. There is 88% homology between the human and mouse galectin-1. <b>Product Description:</b> LGALS1 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 134 amino acids and having a molecular mass of 14.5 kDa. The LGALS1 is purified by proprietary chromatographic techniques.
Uniprot ID	<a href="#">P09382</a>

<b>Protein Name</b>	Galectin-1
<b>Protein Accession #</b>	<a href="#">NP_002296.1</a>
<b>Gene Symbol</b>	LGALS1
<b>Predicted Species Reactivity</b>	Human
<b>Image 1</b>	

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Optimal conditions of its use should be determined by end users.

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