



# SZABO SCANDIC

Part of Europa Biosite

## 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

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

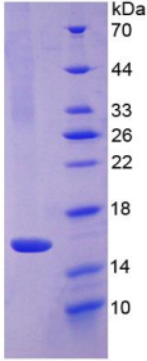
F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Product Number	OPCD03417
Product Page	<a href="http://www.avivasysbio.com/lgals9-recombinant-protein-opcd03417.html">www.avivasysbio.com/lgals9-recombinant-protein-opcd03417.html</a>
Name	LGALS9 Recombinant Protein (OPCD03417)
Protein Size (# AA)	Phe17~Gln147 amino acids
Molecular Weight	16kDa
Tag	N-terminal His Tag
Conjugation	Unconjugated
NCBI Gene Id	25476
Host	E.coli
Purity	> 95%
Concentration	200 ug/mL (prior to lyoph)
Source	E.coli
Gene Full Name	galectin 9
Alias Symbols	36 kDa beta-galactoside-binding lectin;gal-9;galectin-9;Lectin, galactose binding, soluble 9 (Galectin-9);lectin, galactoside-binding, soluble, 9;UAT;urate transporter/channel
Product Format	Freeze-dried Powder. PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.
Description of Target	Binds galactosides (By similarity). Has high affinity for the Forssman pentasaccharide (By similarity). Ligand for HAVCR2/TIM3 (By similarity). Binding to HAVCR2 induces T-helper type 1 lymphocyte (Th1) death (By similarity). Also stimulates bactericidal activity in infected macrophages by causing macrophage activation and IL1B secretion which restricts intracellular bacterial growth (By similarity). Ligand for P4HB; the interaction retains P4HB at the cell surface of Th2 T helper cells, increasing disulfide reductase activity at the plasma membrane, altering the plasma membrane redox state and enhancing cell migration (By similarity). Ligand for CD44; the interaction enhances binding of SMAD3 to the FOXP3 promoter, leading to up-regulation of FOXP3 expression and increased induced regulatory T (iTreg) cell stability and suppressive function (By similarity). Promotes ability of mesenchymal stromal cells to suppress T-cell proliferation (By similarity). Expands regulatory T-cells and induces cytotoxic T-cell apoptosis following virus infection (By similarity). Activates ERK1/2 phosphorylation inducing cytokine (IL-6, IL-8, IL-12) and chemokine (CCL2) production in mast and dendritic cells (By similarity). Inhibits degranulation and induces apoptosis of mast cells (By similarity). Induces maturation and migration of dendritic cells (By similarity). Inhibits natural killer (NK) cell function (By similarity). Can transform NK cell phenotype from peripheral to decidual during pregnancy (By similarity). Astrocyte derived galectin-9 enhances microglial TNF production (PubMed:25158758). May play a role in thymocyte-epithelial interactions relevant to the biology of the thymus. May provide the molecular basis for urate flux across cell membranes, allowing urate that is formed during purine metabolism to efflux from cells and serving as an electrogenic transporter that plays an important role in renal and gastrointestinal urate excretion (PubMed:8995305). Highly selective to the anion urate (PubMed:8995305).
Reconstitution and Storage	2°C to 8°C -80°C
Datasheets/Manuals	Printable datasheet for <a href="#">LGALS9 Recombinant Protein (OPCD03417)</a>
Additional Information	<b>Endotoxin Level:</b> < 1.0 EU per 1 ug (determined by the LAL method)
Additional Information	<b>Residues:</b> Phe17-Gln147
Additional Information	<b>Subcellular Location:</b> Cytoplasm. Secreted
Uniprot ID	<a href="#">P97840</a>
Protein Name	Galectin-9
Protein Accession #	<a href="#">NP_037109.1</a>
Nucleotide Accession #	<a href="#">NM_012977.1</a>
Gene Symbol	<a href="#">Lgals9</a>

<b>Predicted Species Reactivity</b>	Rat Rattus norvegicus
<b>Application</b>	Ctrl (+), SDS-PAGE, WB
<b>Image 1</b>	<p><b>SDS-PAGE</b></p>  <p>15% SDS-PAGE</p> <p>LGALS9 Recombinant Protein (OPCD03417) using SDS-PAGE</p>

AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.  
Optimal conditions of its use should be determined by end users.

---

AVIVA SYSTEMS BIOLOGY  
6370 Nancy Ridge Dr., Suite 104, San Diego, CA 92121 USA | Tel: (858)552-6979 | [info@avivasysbio.com](mailto:info@avivasysbio.com)