

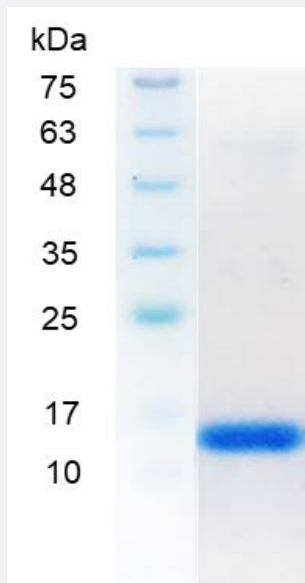
Bioactive

LGALS1 (Human) Recombinant Protein

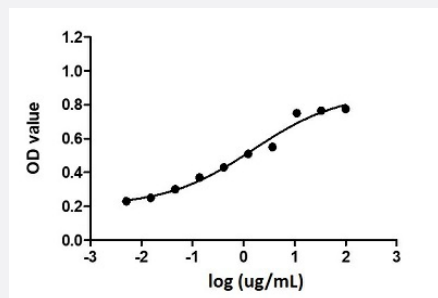
Catalog # P7829

Size 20 ug

Applications



SDS-PAGE analysis of LGALS1 (Human) Recombinant Protein.



Result of activity analysis

Result of activity analysis

Specification

Product Description

Human LGALS1 recombinant protein with polyhistidine tag at the N-terminus expressed in *Escherichia coli*.

Sequence

ACGLVASNLNLKPGECLRVGRGEVAPDAKSFVLNLGKDSNNLCLHFNPRFNAHGDANTIVCNSKD
GGAWGTEQREAVFPFQPGSVAEVCITFDQANLTVKLPDGYEFKFPNRLNLEAINYMAADGDFKIK
CVAFD with polyhistidine tag at the N-terminus.

Host

Escherichia coli

Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purification	Ni-NTA chromatography
Purity	> 98% as determined by SDS-PAGE.
Endotoxin Level	< 0.1 EU/ ug of protein by the LAL method.
Activity	ED ₅₀ < 2 ug/mL, measured by the ability to agglutinate human red blood cells.
Quality Control Testing	SDS-PAGE Stained with Coomassie Blue. SDS-PAGE analysis of LGALS1 (Human) Recombinant Protein.
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from a solution containing 1X PBS, pH 7.4. Reconstitute the lyophilized powder in ddH ₂ O to 100 ug/mL.
Storage Instruction	Lyophilized protein should be stored at -20°C. Protein aliquots should be stored at -20°C to -80°C. Th is product is stable for one year. Avoid repeated freeze/thaw cycles.
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — LGALS1

Entrez GeneID	3956
Gene Name	LGALS1
Gene Alias	DKFZp686E23103, GAL1, GBP
Gene Description	lectin, galactoside-binding, soluble, 1
Omim ID	150570

Gene Ontology[Hyperlink](#)**Gene Summary**

The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. This gene product may act as an autocrine negative growth factor that regulates cell proliferation. [provided by RefSeq]

Other Designations

OTTHUMP00000028982|S-Lac lectin 1|beta-galactoside-binding lectin L-14-|galaptin|galectin 1|galectin-1|lactose-binding lectin 1

Disease

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