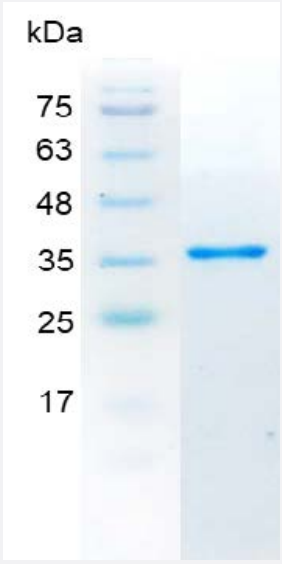
Bioactive

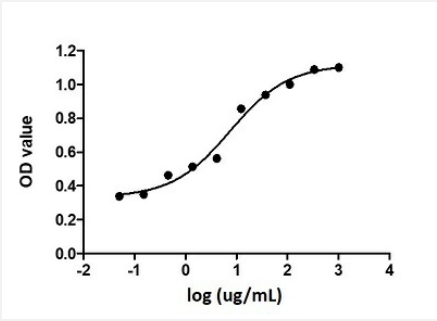
LGALS4 (Human) Recombinant Protein

Catalog # P7833 Size 20 ug

Applications



SDS-PAGE analysis of LGALS4 (Human) Recombinant Protein.



Result of activity analysis

Result of activity analysis

Specification

Product Description	Human LGALS4 recombinant protein with polyhistidine tag at the N-terminus expressed in *Escherichia coli*.

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Sequence	AYVPAPGYQPTYNPTLPYYQPIPGGLNVGMSVYIQGVASEHMKRFFVNFVVGQDPGSDVAFHFNP RFDGWDKVVFNTLQGGKWGSEERKRSMPFKKGAAFELVFIVLAEHYKVVVNGNPFYEYGHRLPL QMVTHLQVDGDLQLQSINFIGGQPLRPQGPPMMPPYPGPGHCHQQLNSLPTMEGPPTFNPPVPY FGRLQGGLTARRTIIIKGYVPPTGKSFAINFKVGSSGDIALHINPRMGNGTVVRNSLLNGSWGSEEK KITHNPFGPGQFFDLSIRCGLDRFKVYANGQHLFDFAHRLSAFQRVDTLEIQGDVTLSYVQI with po lyhistidine tag at the N-terminus.
Host	Escherichia coli
Form	Lyophilized
Preparation Method	*Escherichia coli* 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} < 8 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 LGALS4 (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_2O 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 — LGALS4

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Entrez GeneID	3960
Gene Name	LGALS4
Gene Alias	GAL4, L36LBP
Gene Description	lectin, galactoside-binding, soluble, 4
Omim ID	602518
Gene Ontology	Hyperlink
Gene Summary	The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell a nd cell-matrix interactions. The expression of this gene is restricted to small intestine, colon, and r ectum, and it is underexpressed in colorectal cancer. [provided by RefSeq
Other Designations	L-36 lactose-binding protein|galectin 4|galectin-4|lactose-binding lectin 4

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