

Active Recombinant Human LGALS4 Protein, His tagged

Cat. No. LGALS4-1802H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Galectin-4 protein was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-323 aa
Description	The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. The expression of this gene is restricted to small intestine, colon, and rectum, and it is underexpressed in colorectal cancer.
Form	Liquid
Bio-activity	The ED50 $\leq 2 \mu\text{g/mL}$. Measured by its ability to agglutinate human red blood cells.
Molecular Mass	38.1 kDa
AASequence	MAYVPAPGYQPTYNPTLPYYQPIPGGLNVGMSVYIQGVASEHMKRFFVNFVVGQDP GSDVAFHFNPFRDGDWVKVFNLTQGGKWGSEERKRSMPPFKKGAAFELVFIVLAEH YKVVVNGNPFYEYGHRLPLQMVTHLQVDGDLQLQSINFIGGQPLRPQGPPMMPY PGPGHCHQQLNSLPTMEGPPTFNPPVPYFGRLQGGLTARRTIIKGYVPPTGKSFAI

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	NFKVGSSGDIALHINPRMGNGTVVRNSLLNGSWGSEEKKITHNPFGPGQFFDLSIRC GLDRFKVYANGQHLFDFAHRLSAFQRVDTLEIQGDVTLSTSYVQI
Endotoxin	<1 EU/μg by LAL
Purity	> 95% by SDS-PAGE
Applications	SDS-PAGE, Bioactivity
Notes	For research use only. This product is not intended or approved for human, diagnostics or veterinary use.
Storage	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/mL (determined by Bradford assay)
Reference	1. Huflejt ME., et al. (1997) J Biol Chem. 272(22):14294-303. 2. Huflejt ME., et al. (2004) Glycoconj J. 20(4):247-55.
Storage Buffer	Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT

GENE INFORMATION

Gene Name	LGALS4 galectin 4 [Homo sapiens (human)]
Official Symbol	LGALS4
Synonyms	LGALS4; galectin 4; GAL4; L36LBP; galectin-4; L-36 lactose-binding protein; antigen NY-CO-27; gal-4; lactose-binding lectin 4; lectin, galactoside-binding, soluble, 4

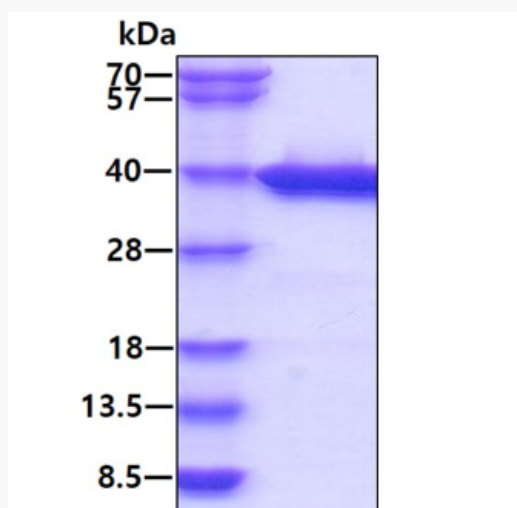
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Gene ID	3960
mRNA Refseq	NM_006149
Protein Refseq	NP_006140
MIM	602518
UniProt ID	P56470

SDS-PAGE and WB



3 µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

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