

Recombinant Human LGALS9 protein, His-tagged

Cat. No. LGALS9-445H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human LGALS9 protein (Ala2-Thr323), fused to His tag at N-terminus, was expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	322
Description	<p>Galectin-9 (LGALS9) is also known as tumor antigen HOM-HD-21 and ecalectin. Galectins are a family of proteins defined by their binding specificity for β-galactoside sugars, such as N-acetyllactosamine (Galβ1-3GlcNAc or Galβ1-4GlcNAc), which can be bound to proteins by either N-linked or O-linked glycosylation. As for Galectin-9, it has high affinity for the Forssman pentasaccharide, and it is also the ligand for HAVCR2/TIM3. Furthermore, Galectin-9 stimulates bactericidal activity in infected macrophages by causing macrophage activation and IL1B secretion which restricts intracellular bacterial growth.</p>
Form	Lyophilized from 0.22 um filtered solution in 20 mM MOPS, 50 mM NaCl, 1 mM EDTA, 2 mM DTT, pH7.4, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 36.6 kDa. The protein migrates as 45-55 kDa under reducing (R) condition (SDS-PAGE).
Endotoxin	Less than 1.0 EU per ug by the LAL method.

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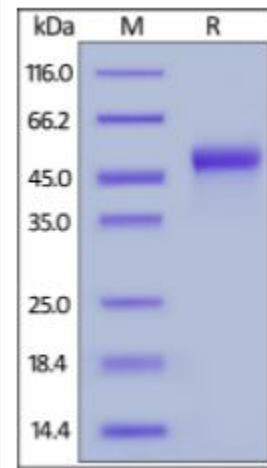
Purity	>95% as determined by SDS-PAGE.
Storage	<p>For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.</p> <p>Please avoid repeated freeze-thaw cycles.</p> <p>This product is stable after storage at:</p> <p>-20 centigrade to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.</p>
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
GENE INFORMATION	
Gene Name	LGALS9
Official Symbol	LGALS9
Synonyms	LGALS9; lectin, galactoside-binding, soluble, 9; galectin-9; galectin 9; LGALS9A; gal-9; ecalectin; tumor antigen HOM-HD-21; urate transporter/channel protein; HUAT; MGC117375; MGC125973; MGC125974
Gene ID	3965
mRNA Refseq	NM_002308
Protein Refseq	NP_002299
MIM	601879
UniProt ID	O00182

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**SDS-PAGE of
LGALS9-445H**



Human Galectin-9, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

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