

Recombinant Human Galectin 9/LGALS9 Protein (His Tag)

Catalog Number:PKSH032470

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Note: Centrifuge before opening to ensure complete recovery of vial contents.

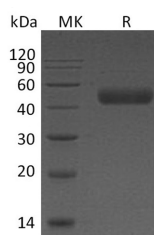
Description

Synonyms	Galectin-9;Gal-9;Ecalectin;Tumor Antigen HOM-HD-21;LGALS9
Species	Human
Expression Host	HEK293 Cells
Sequence	Met 1-Thr323
Accession	Q3B8N1-2
Calculated Molecular Weight	36.7 kDa
Observed molecular weight	49 kDa
Tag	C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of 50mM MOPS, 150mM NaCl, 1mM DTT, 1mM EDTA, 5% Trehalose, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific bu
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Galectin-9 is a cytoplasmic protein that contains two galectin domains. Galectin-9 is an S-type lectin that is over-expressed in Hodgkin's disease tissue. Galectin-9 binds galactosides and has high affinity for the Forssman pentasaccharide. Galectin-9 plays a role in thymocyte-epithelial interactions relevant to the biology of the thymus and inhibits cell proliferation. Galectin-9 is a ligand for HAVCR2/TIM3 and induces T-helper type 1 lymphocyte (Th1) death. In addition, Galectin-9 suppresses tumor cell metastasis by interfering with the associations CD44, VCAM-1, Integrin $\alpha 4 \beta 1$.

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