

Recombinant Human Galectin-9/LGALS9 (N-GST)

Catalog Number:PKSH033899



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

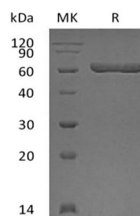
Description

Synonyms	Galectin-9;Gal-9;Ecalectin;Tumor antigen HOM-HD-21;LGALS9;Gal-9delta5
Species	Human
Expression Host	E.coli
Sequence	Met1-Thr322
Accession	O00182-2
Calculated Molecular Weight	62.2 kDa
Observed molecular weight	60 kDa
Tag	N-GST

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	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as a 0.2 µm filtered solution of 1M PBS, 100 mM GSH, 15% Glycerol, pH 8.0.
Reconstitution	Not Applicable

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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