

Galectin-3/LGALS3 Recombinant Protein | LGALS3 recombinant protein

Recombinant Human Galectin-3/LGALS3 Protein (GST Tag), HPLC-verified

CATALOG #
AAA259171

HOST
E coli

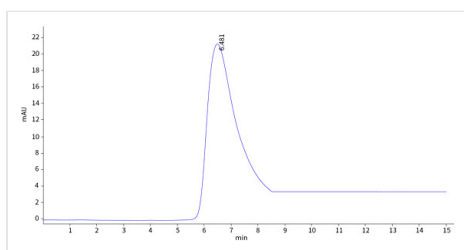
PRODUCT SYNONYMS

Galectin-3/LGALS3; Recombinant Human Galectin-3/LGALS3 Protein (GST Tag); HPLC-verified; lectin; galactoside-binding; soluble; 3; CBP35 Protein; Human; GAL3 Protein; GALBP Protein; GALIG Protein; L31 Protein; LGALS2 Protein; MAC2 Protein; LGALS3 recombinant protein

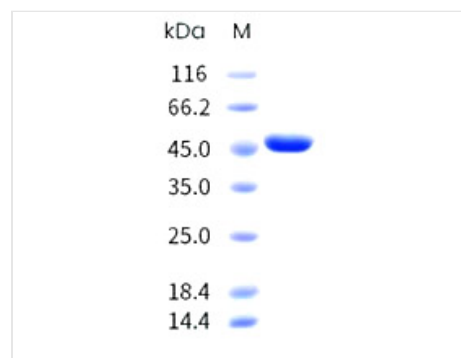
PRODUCT SPECIFICATIONS

Host	E coli
Purity/Purification	>= 95% as determined by SDS-PAGE. = 90% as determined by SEC-HPLC.
Form/Format	Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Species	Human
Predicted N Terminal	Met
Endotoxin	<1.0 EU per ug protein as determined by the LAL method.
Protein Construction	A DNA sequence encoding the Human LGALS3 (NP_002297.2)(Ala2-Ile250) was fused with the GST tag at the N-terminus.
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for LGALS3 recombinant protein	LGALS3 (Galectin 3) is a Protein Coding gene. This gene encodes a member of the galectin family of carbohydrate-binding proteins. The encoded protein is characterized by an N-terminal proline-rich tandem repeat domain and a single C-terminal carbohydrate recognition domain. LGALS3 is a beta-galactoside-binding lectin and plays a role in numerous cellular functions including apoptosis, innate immunity, cell adhesion, and T-cell regulation. LGALS3 has an important role in tumor progression through inhibition of apoptosis. LGALS3 expression is associated with neoplastic transformation and with differentiation of monocytes to macrophages. Elevated expression of LGALS3 has been demonstrated in the synovium of rheumatoid arthritis (RA). Diseases associated with LGALS3 include Follicular Adenoma and Papillary Carcinoma.
References	Dumic J, et al. (2006) Galectin-3: an open-ended story. Biochim Biophys Acta. 1760(4): 616-35. Sharma UC, et al. (2004) Galectin-3 marks activated macrophages in failure-prone hypertrophied hearts and contributes to cardiac dysfunction. Circulation. 110(19): 3121-8. Yan YP, et al. (2009) Galectin-3 mediates post-ischemic tissue remodeling. Brain Res. 1288: 116-24.

NCBI AND UNIPROT INFORMATION

Molecular Weight	The recombinant Human LGALS3 consists of 475 amino acids and predicts a molecular mass of 52.32 kDa.
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/galectin-3/lgals3-recombinant-protein-e-coli/259171>