

HUMAN LGALS3 PROTEIN, HIS TAG**Cat.#:** 11701**Product Name:** Human LGALS3 Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** CBP35;GAL3;GALBP;GALIG;L31;LGALS2;MAC2**Target:** LGALS3**UNIPROT ID:** P17931**Description:** Recombinant Human LGALS3 Protein with C-terminal 6xHis tag

Background: This gene encodes a member of the galectin family of carbohydrate binding proteins. Members of this protein family have an affinity for beta-galactosides. The encoded protein is characterized by an N-terminal proline-rich tandem repeat domain and a single C-terminal carbohydrate recognition domain. This protein can self-associate through the N-terminal domain allowing it to bind to multivalent saccharide ligands. This protein localizes to the extracellular matrix, the cytoplasm and the nucleus. This protein plays a role in numerous cellular functions including apoptosis, innate immunity, cell adhesion and T-cell regulation. The protein exhibits antimicrobial activity against bacteria and fungi. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Oct 2014]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 26.9 kDa after removal of the signal peptide. The apparent molecular mass of LGALS3-His is approximately 25–35 kDa due to glycosylation.

Molecular Characterization: LGALS3(Ala2-Ile250) 6×His Tag

Purity: The purity of the protein is greater than 90% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at –20°C to –80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at –80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

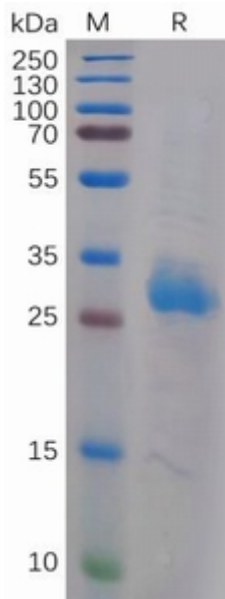


Figure 1. Human LGALS3 Protein, His Tag on SDS-PAGE under reducing condition.