## PRODUCT INFORMATION

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|---|---|
| **Target** | LGALS3 |
| **Synonyms** | CBP35;GAL3;GALBP;GALIG;L31;LGALS2;MAC2 |
| **Description** | Recombinant Human LGALS3 Protein with C-terminal 6×His tag |
| **Delivery** | In Stock |
| **Uniprot ID** | P17931 |
| **Expression Host** | HEK293 |
| **Tag** | C-6×His Tag |
| **Molecular Characterization** | LGALS3(Ala2-Ile250) 6×His Tag |
| **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. |
| **Purity** | The purity of the protein is greater than 90% as determined by SDS-PAGE and Coomassie blue staining. |
| **Formulation & Reconstitution** | Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. |
| **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. |
| **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] |
| **Usage** | Research use only |
| **Conjugate** | Unconjugated |



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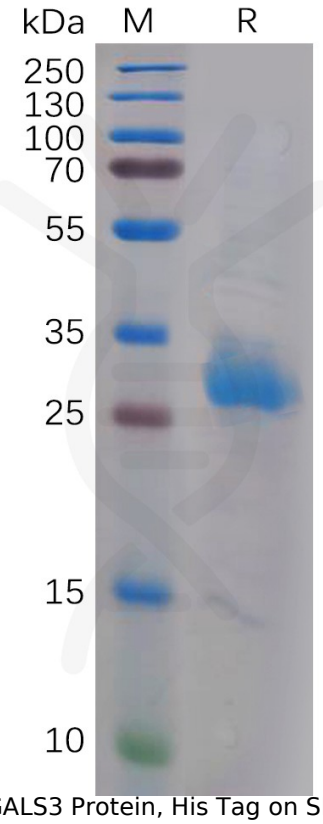


Figure 1. Human LGALS3 Protein, His Tag on SDS-PAGE under reducing condition.



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