

## HUMAN GALECTIN 9 PROTEIN, HFC TAG

**Cat.#:** 11317

**Product Name:** Human Galectin 9 Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** Galectin-9;GALS9;calectin;Gal-9

**Target:** Galectin 9

**UNIPROT ID:** O00182

**Description:** Recombinant human Galectin 9 Protein with C-terminal Human Fc tag

**Background:** The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. The protein encoded by this gene is an S-type lectin. It is overexpressed in Hodgkin's disease tissue and might participate in the interaction between the HandRS cells with their surrounding cells and might thus play a role in the pathogenesis of this disease and/or its associated immunodeficiency. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2008]

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 61.9 kDa after removal of the signal peptide. The apparent molecular mass of hFc-Galectin 9 is approximately 70-100 kDa due to glycosylation.

**Molecular Characterization:** hFc(Glu99-Ala330) Galectin 9 (Ala2-Thr323)

**Purity:** The purity of the protein is greater than 95% 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.

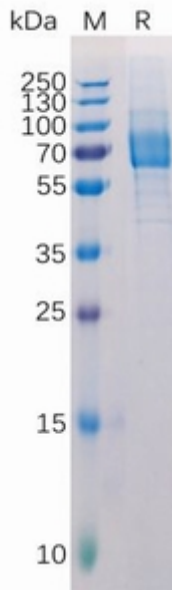


Figure 1. Human Galectin 9 Protein, hFc Tag on SDS-PAGE under reducing condition.