# Recombinant Human LGALS9 Protein

**Cat. No.** LGALS9-660H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant human LGALS9 protein without tag was expressed in HEK293. |
| **Species** | Human |
| **Source** | HEK293 |
| **ProteinLength** | 355 |
| **Description** | 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 H&RS 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. |
| **Form** | Lyophilized |
| **Molecular Mass** | 36.6 kDa |
| **AA Sequence** | MAFSGSQAPYLSPAVPFSGTIQGGLQDGLQITVNGTVLSSSGTRFAVNFQTGFSGN DIAFHFNPRFEDGGYVVCNTRQNGSWGPEERKTHMPFQKGMPFDLCFLVQSSDFK VMVNGILFVQYFHRVPFHRVDTISVNGSVQLSYISFQNPRTVPVQPAFSTVPFSQPV CFPPRPRGRRQKPPGVWPANPAPITQTVIHTVQSAPGQMFSTPAIPPMMYPHPAYP MPFITTILGGLYPSKSILLSGTVLPSAQRFHINLCSGNHIAFHLNPRFDENAVVRNTQI |

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| | DNSWGSEERSLPRKMPFVRGQSFSVWILCEAHCLKVAVDGQHLFEYYHRLRNLPTINRLEVGGDIQLTHVQT |
| **Purity** | > 98% |
| **Applications** | WB; ELISA; FACS; FC |
| **Stability** | This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use. |
| **Storage** | At -20 centigrade. |
| **Concentration** | 1 mg/mL |
| **Storage Buffer** | PBS (pH 7.4-7.5). Sterile-filtered colorless solution. |
| **Reconstitution** | Reconstitute in sterile distilled H2O to no less than 100 μg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance. |

## GENE INFORMATION

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| **Gene Name** | LGALS9 lectin, galactoside-binding, soluble, 9 [ Homo sapiens (human) ] |
| **Official Symbol** | LGALS9 |
| **Synonyms** | LGALS9; lectin, galactoside-binding, soluble, 9; galectin-9; galectin 9; LGALS9A; gal-9; ecalectin; tumor antigen HOM-HD-21; urate transporter/channel protein; HUAT; MGC117375; MGC125973; MGC125974; |

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| **Gene ID** | 3965 |
| **mRNA Refseq** | NM_002308 |
| **Protein Refseq** | NP_002299 |
| **MIM** | 601879 |
| **UniProt ID** | O00182 |

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