

# Active Recombinant Human LAG3 protein, Biotinylated

**Cat. No.** LAG3-2147H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                  |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Biotinylated Recombinant Human LAG3 protein(NP_002277.4)(Met1-Arg440) was expressed in HEK293.                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | Met1-Arg440                                                                                                                                                                                                                                                                      |
| <b>Form</b>             | Lyophilized from sterile PBS, pH7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA. |
| <b>Bio-activity</b>     | Immobilized Human LAG3, Biotinylated at 2 µg/mL (100 µL/well) can bind Human FGL1 (hFc Tag), the EC50 is 150-700 ng/mL.                                                                                                                                                          |
| <b>Molecular Mass</b>   | The recombinant human LAG3 consists of 418 amino acids and predicts a molecular mass of 45.3 kDa. As a result of glycosylation, it migrates as an approximately 55.6 KDa band in SDS-PAGE under reducing conditions.                                                             |
| <b>Endotoxin</b>        | < 1.0 EU per µg protein as determined by the LAL method.                                                                                                                                                                                                                         |
| <b>Purity</b>           | > 90 % as determined by SDS-PAGE.                                                                                                                                                                                                                                                |

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|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>        | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C<br>Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.                                                                     |
| <b>Conjugation</b>    | Biotin                                                                                                                                                                                                                                            |

## GENE INFORMATION

|                        |                                                                                  |
|------------------------|----------------------------------------------------------------------------------|
| <b>Gene Name</b>       | LAG3 lymphocyte-activation gene 3 [ Homo sapiens ]                               |
| <b>Official Symbol</b> | LAG3                                                                             |
| <b>Synonyms</b>        | LAG3; lymphocyte-activation gene 3; lymphocyte activation gene 3 protein; CD223; |
| <b>Gene ID</b>         | 3902                                                                             |
| <b>mRNA Refseq</b>     | NM_002286                                                                        |
| <b>Protein Refseq</b>  | NP_002277                                                                        |
| <b>MIM</b>             | 153337                                                                           |
| <b>UniProt ID</b>      | P18627                                                                           |

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