

# Recombinant Human LAG3 Protein, Met-tagged, FITC conjugated

**Cat. No.** LAG3-467HF    **Lot. No.** (See product label)

## SPECIFICATION

|                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>             | FITC conjugated recombinant human LAG3 (P18627) (Met1-Arg440) was expressed with an initial Met.                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>                      | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>                       | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>                | Met1-Arg440 412                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>                  | LAG3, also known as CD223 and Lymph centigradeyte activation gene 3, belongs to immunoglobulin (Ig) superfamily. LAG3 contains 4 extracellular Ig-like domains. The LAG3 gene contains 8 exons. It is selectively expressed in activated T and NK cells. LAG3 has a negative regulatory function in T cells. It also acts as as a new marker of T cell induced B cell activation. As a soluble molecule, LAG3 activates antigen-presenting cells through MHC class II signalling, leading to increased antigen-specific T-cell responses in vivo. |
| <b>Form</b>                         | Lyophilized                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Molecular Mass</b>               | 44.7 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>N-terminal Sequence Analysis</b> | Val 29                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                       |                                                                                                                                                                                                                                                           |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Endotoxin</b>      | < 1.0 EU/ µg protein as determined by the LAL method.                                                                                                                                                                                                     |
| <b>Purity</b>         | > 90 % as determined by SDS-PAGE                                                                                                                                                                                                                          |
| <b>Characteristic</b> | Disulfide-linked homodimer<br>Labeled with FITC via amines<br>Excitation source: 488 nm spectral line, argon-ion laser<br>Excitation Wavelength: 488 nm<br>Emission Wavelength: 535 nm                                                                    |
| <b>Storage</b>        | Samples are stable for up to twelve months from date of receipt at -70 centigrade.<br>Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| <b>Storage Buffer</b> | Lyophilized from sterile PBS,pH 7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.                                                                                                                |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.                                                                    |
| <b>Conjugation</b>    | FITC                                                                                                                                                                                                                                                      |

## 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; |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                |           |
|----------------|-----------|
| Gene ID        | 3902      |
| mRNA Refseq    | NM_002286 |
| Protein Refseq | NP_002277 |
| MIM            | 153337    |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA