

## 32-9010: Recombinant Human LAG-3/CD233 (C-Fc)

**Gene :** LAG3  
**Gene ID :** 3902  
**Uniprot ID :** P18627

### Description

Source: Human Cells.  
MW :73.3kD.

Recombinant Human Lymphocyte Activation Gene 3 Protein is produced by our Mammalian expression system and the target gene encoding Leu23-Leu450 is expressed with a Fc tag at the C-terminus. Human Lymphocyte activation gene 3 protein( LAG3) is a member of immunoglobulin (Ig) superfamily. LAG3 contains 4 extracellular Ig-like domains. The LAG3 gene contains 8 exons. LAG3 is involved in lymphocyte activation and can bind to HLA class-II antigens. It is selectively expressed in activated T and NK cells. LAG3 has a negative regulatory function in T cells and acts as a new marker of T cell induced B cell activation. As a soluble molecule, LAG3 activates antigen-presenting cells through MHC class II signaling. It can lead to increased antigen-specific T-cell responses in vivo. LAG-3 has higher affinity to MHC class II than CD4.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of PBS,pH7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** LQPGAEVPVWVAQEGAPALPCSTIPLQDLSLLRRAGVTWQHQPDSGPPAAAPGHPLAPGPHAAPSSWGP  
RPRRYTVLSVGPGLRSGRLPLQPRVQLDERGRQRGDFSLWLRPARRADAGEYRAAVHLRDRALSCRLRLRL  
GQASMTASPPGSLRASDWVILNCSFSRPDRPASVHWFRNRGQGRVPVRESPPHHHLAESFLFLPQVSPMDSGP  
WGCILTYRDGFNVSIMYNLTVLGLEPPTPLTVYAGAGSRVGLPCRLPAGVGTRSFLLAKWTTPGGGPDLLVTGD  
NGDFTLRLEDVSQAQAGTYTCHILQEQLNATVTLAIITVTPKSFGSPGSLGKLLCEVTPVSGQERFVWSSLDL  
PSQRSFSGPWLEAQEAQLLSQPWQCQLYQGERLLGAAVYFTELSSPGAQRSGRAPGALPAGHLVDDIEGRMD  
EPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKT  
KPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPVYTLPPSREEMTKNQV  
SLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVVFSCSVMEALHNHY  
TQKSLSLSPGK

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.