

## Recombinant Human LAG3 Protein

Cat. No. LAG3-675H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human LAG3 protein without tag was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	525
<b>Description</b>	Lymphocyte-activation protein 3 belongs to Ig superfamily and contains 4 extracellular Ig-like domains. The LAG3 gene contains 8 exons. The sequence data, exon/intron organization, and chromosomal localization all indicate a close relationship of LAG3 to CD4.
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	47 kDa
<b>AA Sequence</b>	MWEAQFLGLLFLQPLWVAPVKPLQPGAIEPVVWAQEGAPAQLPCSPTIPLQDLSLL RRAGVTWQHQPDSGPPAAAPGHPLAPGHPAAPSWSGPRPRRYTVLSVGPGLR SGRLPLQPRVQLDERGRQRGDFSLWLRPARRADAGEYRAAVHLRDRALSCRLRLR LGQASMTASPPGSLRASDWVILNCSFSRPDRPASVHWFRNRGQGRVPVRESPHH HLAESFLFPQVSPMDSGPWGCILTYRDGFNVSIMYNLTVLGLEPPTPLTVYAGAGS RVGLPCRLPAGVGTRSFLTAKWTPPGGGPDLLVTGDNGDFTLRLEDVSSQAQAGTY TCHIHLEQQLNATVTLAITVTPKSFSGPSLGKLLCEVTPVSGQERFVWSSLDTPS QRSFSGPWLEAQEAQLLSQPWQCQLYQGERLLGAAVYFTELSSPGAQRSGRAGP

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ALPAGHLLLFLILGVLSLLLLVTGAFGFHLWRRQWRPRRFSALEQGIHPPQAQSKIEE  
LEQEPEPEPEPEPEPEPEPEPEPEQL

**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 H<sub>2</sub>O 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

**Gene Name** LAG3 lymphocyte-activation gene 3 [ Homo sapiens (human) ]

**Official Symbol** LAG3

**Synonyms** LAG3; lymphocyte-activation gene 3; lymphocyte activation gene 3 protein; CD223;

**Gene ID** 3902

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<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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