

Recombinant Rat LAG3 Protein

Cat. No. LAG3-679R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat LAG3 protein without tag was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	525
Description	Predicted to enable MHC class II protein binding activity and transmembrane signaling receptor activity. Predicted to be involved in several processes, including cell surface receptor signaling pathway; negative regulation of regulatory T cell differentiation; and plasmacytoid dendritic cell activation. Predicted to act upstream of or within negative regulation of T cell activation; negative regulation of interleukin-2 production; and positive regulation of natural killer cell mediated cytotoxicity. Predicted to be located in external side of plasma membrane and extracellular region. Orthologous to human LAG3 (lymphocyte activating 3).
Form	Lyophilized
Molecular Mass	47.6 kDa
AA Sequence	MRQDLFLDLLLLQLLWEAPVVSSGPGKELSVVWAQEGAPVHLPCSLEFPHLDPNFL RRGWVTWQHPRDSDQPASIPALDLLQGMPSTRRHPPHRYTVLSVAPGGLRSGRQ PLLSHVQLEKRGPPQRGDFSLWLRPATRKDAGEYHAFVRLPDRDFSCSLRLRVGQA SMIASPPGTLKPSDWVILNCSFSRPDRPVSVHWFQGGQSRVPVHNSPRHYLAESFLL

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LPQVSPLDSGTWGCVLTYRDGFNVSITYNLKVQGLEPVAPLTVYAAEGSRVELPCHL
 PPVVGTPSLLIAKWTPPGGGPELPVTGKSGNFTLQLENVGRAQAGTYTCSIHLQGR
 QLSAAVTLAVITVTPKSFGLPGSPQKLLCEVVPASGEGRFVWRPLSDLSRSSLGPVL
 ELQEAKLLAEQWQCQLYEGQKLLGATVYTAESSSGAWSAKRISGDLKGGHLFLSLIL
 GALALFLLVTGAFGFHLWRRQLLRRRFSALEHGIRPPPQSKIEELEREPETEMEPE
 TEPDPEPQPEPELEPESRQL

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

Gene Name Lag3 lymphocyte-activation gene 3 [*Rattus norvegicus*]

Official Symbol LAG3

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Synonyms	LAG3; lymphocyte-activation gene 3; lymphocyte activation gene 3 protein; LAG-3; CD223; MGC108901;
Gene ID	297596
mRNA Refseq	NM_212513
Protein Refseq	NP_997678
UniProt ID	Q5BK54

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