

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	<p>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).</p>
Form	Lyophilized
Molecular Mass	47.6 kDa
AA Sequence	<p>MRQDLFLDLLLQLLWEAPVVSSGPGKELSVVWAQEGAPVHLPCLSEFPHLDPNFL RRGWVTWQHRPDSQDPASIPALDLLQGMPSTRRHPPHRYTVLSVAPGGLRSGRQ PLLSHVQLEKRGPRGDFSLWLRPATRKDAGEYHAFVRLPDRDFSCSLRLRVGQA SMIASPPGTLKPSDWVILNCSFSRPDRPVSVHWFQGGQSRVPVHNSPRHYLAESFLL</p>

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LPQVSPLDSTWGCVLTYRDGFNVSITYNLKVQGLEPVAPLTVYAAEGSRVELPCHL
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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