Recombinant Rat Lag3 protein, His-tagged

Cat. No. Lag3-1832R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat LAG3 /CD223 Protein (Rat LAG3 / CD223) Gly 24 - Leu 442 (Accession # NP_997678) was produced in human 293 cells (HEK293).
Species	Rat
Source	HEK293
ProteinLength	AA Gly 24 - Leu 442
Description	Lymphocyte activation gene 3 protein (LAG3) is also known as CD antigen CD223 and protein FDC, which belongs to immunoglobulin (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. LAG3 /CD223 involved in lymphocyte activation. LAG3 /CD223 binds to HLA class-II antigens.
Predicted N Terminal	Gly 24
Form	Lyophilized from 0.22 μm filtered solution in PBS, pH7.4, 10% trehalose.
Molecular Mass	Rat LAG3 / CD223 is fused with a polyhistidine tag at the C-terminus, and has a calculated MW of 47.6 kDa. DTT-reduced Protein migrates as 55 kDa in SDS-PAGE due to glycosylation.
Endotoxin	Less than 1.0 EU per μg of the Rat LAG3 / CD223 by the LAL method.

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Purity	>90% as determined by SDS-PAGE.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4℃ before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Lag3 lymphocyte activating 3 [Rattus norvegicus (Norway rat)]
Official Symbol	Lag3
Synonyms	CD223; lymphocyte-activation gene 3
Gene ID	297596
mRNA Refseq	NM_212513.2
Protein Refseq	NP_997678.2
UniProt ID	Q5BK54

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SDS-PAGE



The purity of Rat LAG3 / CD223 was determined by DTT-reduced (+) SDS-PAGE and staining overnight with Coomassie Blue.

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