

Lymphocyte Activation Gene 3 Recombinant Protein | LAG3 recombinant protein

Recombinant Human Lymphocyte Activation Gene 3 Protein

CATALOG #
AAA174580

HOST
HEK293 Cells

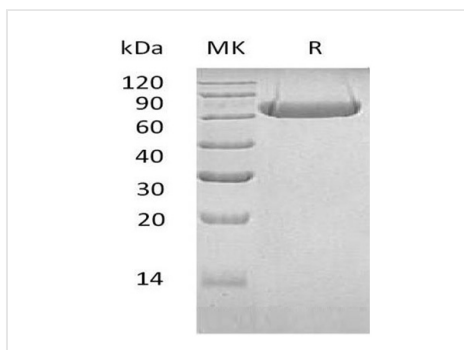
PRODUCT SYNONYMS

Lymphocyte Activation Gene 3; Recombinant Human Lymphocyte Activation Gene 3 Protein; Lymphocyte activation gene 3 protein; LAG3; LAG-3; Protein FDC; CD223; LAG3 recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	>95% as determined by reducing SDS-PAGE.
Form/Format	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Sequence Length	525
Species	Human
Endotoxin	<1.0 EU per ug as determined by LAL test.
Sequence	Leu23-Gly434
Fusion Tag	C-6His
Bio-activity	Loaded Anti-Human LAG-3 mAb-Fc on Protein A Biosensor, can bind Human LAG-3-6His with an affinity constant of 0.46 nM as determined in BLI assay.
Reconstitution	We recommend centrifuging the vial before opening to bring the contents to the bottom. Do not mix by vortex. It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 mg/mL. Concentration is measured by UV-Vis.
Preparation and Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 degree C. Reconstituted protein solution can be stored at 4-8 degree for 2-7 days. Aliquots of reconstituted samples are stable at < -20 degree C for 3 months.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for LAG3 recombinant protein	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 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	167614500
NCBI GeneID	3902
NCBI Accession #	NP_002277.4
NCBI GenBank Nucleotide #	NM_002286.6
UniProt Accession #	P18627; Q7Z643; A8K7T9
Molecular Weight	Calculated molecular weight 45.5 kDa Observed molecular weight 60-80 kDa
NCBI Official Full Name	lymphocyte activation gene 3 protein
NCBI Official Synonym Full Names	lymphocyte activating 3
NCBI Official Symbol	LAG3
NCBI Official Synonym Symbols	CD223
NCBI Protein Information	lymphocyte activation gene 3 protein
UniProt Protein Name	Lymphocyte activation gene 3 protein
UniProt Gene Name	LAG3
UniProt Synonym Gene Names	FDC; LAG-3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.