

# Recombinant Human LY9 Protein, His-tagged

Cat. No. LY9-095H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human LY9 Protein with His tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	T lymphocyte surface antigen Ly9 (CD229), also designated lymphocyte antigen 9 or cell-surface molecule Ly9, is a cell surface glycoprotein. CD229 is a Type I membrane protein that is crucial in adhesion reactions between T lymphocytes and accessory cells (homophilic interaction). It belongs to the CD2 subfamily of the immunoglobulin gene superfamily of proteins (along with CD2, CD48, CD58, CD84, CD244 and CD150). Receptors of this family are important in cytokine production regulation and cytotoxicity of lymphocytes and NK cells. CD229 interacts with the SAP/SH2D1A protein. CD229 is expressed on mature B cells, T cells, thymocytes and NK cells.
<b>Molecular Mass</b>	~50 kDa
<b>AA Sequence</b>	KDSAPT VVSGILGGSVTLPLNISVDTEIENVIWIGPKNALAFARPKENVTIMVKSYLGR LDITKWSYSLCISNLT LNDAGSYKAQINQRNFEVTTEEEFTLFVYEQLQEPQVTMKS KVSENFSCNITLMCSVKGAEKSVLYSWTPREPHASESNGGSILTVSRTPCDPDLPI CTAQNPVSRSSLPVHVGQFCTDPGASRGGTTGETVVGVLGEPVTLPLALPACRDT EKVVWLFNTSIISKEREEAATADPLIKSRDPYKNRVVWSSQDCSLKISQLKIEDAGPY HAYVCSEASSVTSMTHVTLIIYRRLRKPKITWSLRHSEDGICRISLTCSVEDGGNTVM

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YTWTP LQKEAVVSQGESH LNVSWR SSENHPNL TCTASNPVSRSSHQFLSENICSGP  
ERNTK

**Purity**

Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).

**Notes**

For research use only, not for use in diagnostic procedure.

**Storage**

Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.

**Storage Buffer**

PBS, 4M Urea, pH7.4

## GENE INFORMATION

**Gene Name**

LY9 lymphocyte antigen 9 [ Homo sapiens (human) ]

**Official Symbol**

LY9

**Synonyms**

LY9; lymphocyte antigen 9; T-lymphocyte surface antigen Ly-9; CD229; hly9; mLY9; SLAMF3; cell surface molecule Ly-9; cell-surface molecule Ly-9;

**Gene ID**

4063

**mRNA Refseq**

NM\_001033667

**Protein Refseq**

NP\_001028839

**MIM**

600684

**UniProt ID**

Q9HBG7

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SDS-PAGE



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