

## Recombinant Cattle CD79A Protein, His-tagged

Cat. No. CD79A-2751C Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Cattle CD79A Protein (Leu32-Pro223) with N-His tag was expressed in E. coli.
<b>Species</b>	Cattle
<b>Source</b>	E.coli
<b>ProteinLength</b>	Leu32-Pro223
<b>Description</b>	Required in cooperation with CD79B for initiation of the signal transduction cascade activated by binding of antigen to the B-cell antigen receptor complex (BCR) which leads to internalization of the complex, trafficking to late endosomes and antigen presentation. Also required for BCR surface expression and for efficient differentiation of pro- and pre-B-cells. Stimulates SYK autophosphorylation and activation. Binds to BLNK, bringing BLNK into proximity with SYK and allowing SYK to phosphorylate BLNK. Also interacts with and increases activity of some Src-family tyrosine kinases. Represses BCR signaling during development of immature B-cells (By similarity).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 25.3 kDa Accurate Molecular Mass: 28 kDa
<b>Purity</b>	> 90%

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<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

<b>Gene Name</b>	CD79A CD79a molecule [ <i>Bos taurus</i> (cattle) ]
<b>Official Symbol</b>	CD79A
<b>Synonyms</b>	CD79A; CD79a molecule; MB-1; B-cell antigen receptor complex-associated protein alpha chain; CD79A antigen (immunoglobulin-associated alpha); CD79a molecule, immunoglobulin-associated alpha; MB-1 membrane glycoprotein; ig-alpha; membrane-bound immunoglobulin-associated protein; surface IgM-associated protein
<b>Gene ID</b>	281674
<b>mRNA Refseq</b>	NM_174266

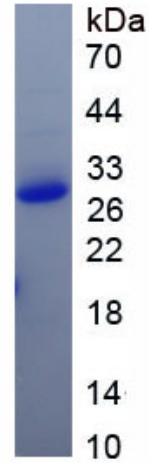
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Protein Refseq NP\_776691

UniProt ID P40293



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