Recombinant Cattle CD79A Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Cattle CD79A Protein (Leu32-Pro223) with N-His tag was expressed in E. coli.
Species	Cattle
Source	E.coli
ProteinLength	Leu32-Pro223
Description	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).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 25.3 kDa Accurate Molecular Mass: 28 kDa
Purity	> 90%

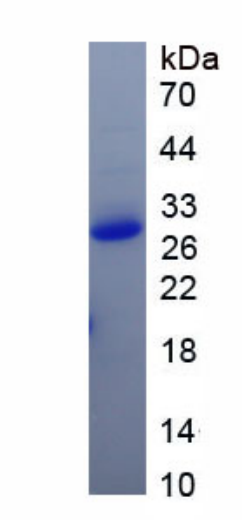
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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and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

GENE INFORMATION

Gene Name	CD79A CD79a molecule [Bos taurus (cattle)]
Official Symbol	CD79A
Synonyms	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
Gene ID	281674
mRNA Refseq	NM_174266

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Protein Refseq	NP_776691
UniProt ID	P40293
	

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