

## Bovine Adenylate Cyclase Type 1 (ADCY1) ELISA Kit-Sandwich

**Cat. No.:** EK12F264

**Product Type:** Animal Immunoassay Kits

**Size:** 48T;96T

### Product Overview

BioVenic Bovine Adenylate Cyclase Type 1 (ADCY1) ELISA Kit-Sandwich is designed for the quantitative determination of Bovine Adenylate Cyclase Type 1 (ADCY1) in serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids using a Sandwich ELISA method. For research use only.

### Specifications

Assay Type	ELISA-Sandwich
Specificity	The assay kit is specific for Bovine ADCY1.
Target Species	Bovine
Species Reactivity	Bovine
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 10%
Assay Time	Around 270 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids.

### Target Information

Bovine Adenylate Cyclase Type 1 is encoded by the *ADCY1* gene in cattle. ADCY1 belongs to the family of adenylate cyclase genes, primarily expressed in the brain. Genes such as SLC6A17, SDS5, ADCY1, SLC1A4 and PPM1B have been identified as being associated with cow and heifer return rate, calving to first service interval, number of inseminations per conception and days from first to last insemination.

Target/Biomarker	Bovine ADCY1
Target Synonym	adenylate cyclase 1; AC1; adenylate cyclase type 1; ATP pyrophosphate-lyase 1; adenylate cyclase 1 (brain); adenylate cyclase type I; adenylyl cyclase 1; ca(2+)/calmodulin-activated adenylyl cyclase
Gene ID	<a href="#">281601</a>
UniProt ID	<a href="#">P19754</a>

## Shipping and Storage

This product is shipped with gel ice packs. It is recommended to store at 2-8 °C (Up to 6 months).

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The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.