

Product datasheet

HsAldolase ChIP primer Intron 2 (Reverse) ab83592

Overview

Product name	HsAldolase ChIP primer Intron 2 (Reverse)
General notes	Accession number: NM_184043. The HsALDOA primers and probe can be used to quantify a control locus in chromatin immunoprecipitation (ChIP) assays with chromatin prepared from human cells. ALDOA (Fructose-bisphosphate aldolase A) is a moderately expressed housekeeping gene. The primers and probe are located in intron 2, within 1 kb of the transcription start site. In most cell types, this locus is enriched with histone modifications associated with active gene transcription such as Histone H3 K9 acetylation (see image with ab4441). Whereas it shows low levels of histone modifications associated with silencing such as Histone H3 K9 tri methylation (see image with ab8898).
Tested applications	Suitable for: Real Time PCR

Properties

Form	Liquid
Storage instructions	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C long term. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: None Constituents: ddH2O
Function	Plays a key role in glycolysis and gluconeogenesis. In addition, may also function as scaffolding protein.
Pathway	Carbohydrate degradation; glycolysis; D-glyceraldehyde 3-phosphate and glycerone phosphate from D-glucose: step 4/4.
Involvement in disease	Defects in ALDOA are the cause of glycogen storage disease type 12 (GSD12) [MIM:611881]; also known as red cell aldolase deficiency. A metabolic disorder associated with increased hepatic glycogen and hemolytic anemia. It may lead to myopathy with exercise intolerance and rhabdomyolysis.
Sequence similarities	Belongs to the class I fructose-bisphosphate aldolase family.

Applications

Our [Abpromise guarantee](#) covers the use of **ab83592** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Real Time PCR		Use at an assay dependent concentration. Suitable for the analysis of chromatin immunoprecipitated DNA using Taqman [®] real time PCR. Quantity provided for 200 reactions. Please see the protocol page for the instructions for this product.

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