



Cre Recombinase

Catalog number

C7920-01

Supplier

United States Biological

Cre-recombinase is a 38kD DNA recombinase derived from the P1 bacteriophage. It is highly specific to a 34bp DNA sequence (loxP) found in P1 DNA. It catalyzes site-specific recombination between two 34-base-pair LOXP sites. Its role is to maintain the phage genome as a monomeric unit-copy plasmid in the lysogenic state. It is homotetramer when bound to DNA and belongs to the phage integrase family. C7920-01 is an important tool for the identification of Cre recombinase in different protein expression systems.

Applications

Suitable for use in ELISA and Western Blot. Other applications not tested.

Recommended Dilutions

ELISA: 0.05-0.2ug/ml

Western Blot: 0.1-1ug/ml

Optimal dilutions to be determined by the researcher.

Hybridoma

Spleen cells were fused with SP2/0-Ag14 mouse myeloma cells

Storage and Stability

Lyophilized and reconstituted products are stable for 12 months after receipt at -20°C. Reconstitute with sterile dH2O. Aliquot to avoid repeated freezing and thawing. Store at -20°C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.

Immunogen

Purified recombinant Cre recombinase protein

Formulation

Supplied as a lyophilized powder from PBS, pH 7.4, 1% BSA, 0.02% sodium azide. Reconstitute with 80ul sterile ddH2O.

Purity

Purified by Protein A affinity chromatography.

Specificity

Recognizes Cre Recombinase from E. coli expression systems

Product Type

Mab

Isotype



IgG2a

Grade

Affinity Purified

Applications

E WB

Storage

-20°C