

Product datasheet for **BIN141**

Hepatitis B E Antigen / HBeAg Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Hepatitis B E Antigen / HBeAg recombinant protein, 1 mg
Expression Host:	E. coli
Concentration:	lot specific
Purity:	GS-4B Sepharose-Affinity chromatography.
Buffer:	Presentation State: Purified State: Liquid purified fraction (>95% pure by 10% PAGE coomassie staining). Buffer System: 25 mM Tris-HCl, pH 8.0, 1.5 M Urea containing 50% glycerol without preservatives.
Preparation:	Liquid purified fraction (>95% pure by 10% PAGE coomassie staining).
Applications:	Suitable for use in ELISA and Western blot.
Protein Description:	Hepatitis B Antigen 'e' epitope (HBe), Recombinant. Contains the HBe immunodominant region. Contains GST fusion partner. Immunoreactive with HBV positive sera.
Storage:	Store the antigen at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid multiple freeze/thaw cycles.
Stability:	Shelf life: six months from despatch.
Summary:	Hepatitis B e-antigen (HBeAg) is a viral protein associated with HBV infections. Unlike the surface antigen, the e-antigen is found in the blood only when there are viruses also present. When the virus goes into "hiding," the e-antigen will no longer be present in the blood. HBeAg is often used as a marker of ability to spread the virus to other people (infectivity). Measurement of e-antigen may also be used to monitor the effectiveness of HBV treatment; successful treatment will usually eliminate HBeAg from the blood and lead to development of antibodies against e-antigen (anti-HBe). There are some types (strains) of HBV that do not make e-antigen; these are especially common in the Middle East and Asia. In areas where these strains of HBV are common, testing for HBeAg is not very useful.
Protein Families:	Suitable for use in ELISA and Western blot.



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