



BoxB from HMGB1, human & mouse, LPS-free

Product Number: HM-050; HM-051; HM-052; HM-053

Expiration date: (depends on batch)

Batch number: (each batch has a specific tracking number)

Batch concentration: (depends on batch) after addition of (depends on batch) μ L of distilled water.

Product Description:

BoxB is one of the DNA binding domains of HMGB1 protein. It consists of 90 amino acids and has a calculated molecular mass of approximately 10 kDa.

The sequence of BoxB is totally identical in human and mouse; this product contains four amino acids (MARI) that have been added at the N terminus for the purpose of expression in bacteria.

It contains only trace amounts of LPS (<0.4 ng/mg protein).

Reagent format:

The BoxB we provide is produced in *E.coli* and has no tags or additional amino acids.

The product is lyophilized from 50 mM HEPES-Na buffer, pH 7.9, 500 mM NaCl and 0.5 mM DTT.

Storage: 2-8°C. The protein once resuspended can be stored frozen (-20°C) .

This product is for research use only

References:

Bianchi *et al* (1992) The DNA binding site of HMG1 protein is composed of two similar segments (HMG boxes), both of which have counterparts in other eukaryotic regulatory proteins. EMBO J 11: 1055-63

Müller *et al* (2001) Thermodynamics of HMGB1 interaction with duplex DNA. Biochemistry 40: 10254-61

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MARIDPNAPK RPPSAFFLFC SEYRPKIKGE  
HPGLSIGDVA KKLGMEMWNNT AADDKQPYEK  
KAAKLKEKYE KDIAAYRAKG KPDAAKKGVV
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Fig. 1. BoxB sequence.

The tag used for expression in bacteria is in italic

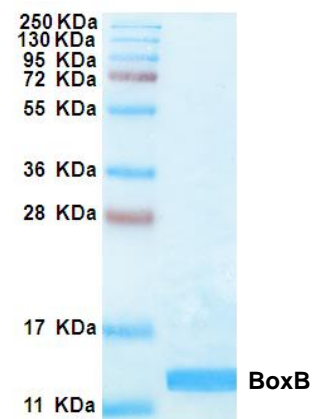


Fig. 2. 15% SDS-PAGE with Coomassie Blue staining