

HMGB2, LPS-free

Product Number: *****
Expiration date: *****
Batch number: *****
Batch concentration: ***** mg/mL after addition
 ***** of distilled water

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MGKGDPNKPR GKSSSYAFFV QTCREEHKKK
HPDSSVNF AE FSKKCSERWK TMSAKEKSKF
EDMAKSDKAR YDREMKNYVP PKGDKKGGKK
DPNAPKRPPS AFFLFCSEHR PKIKSEHPGL
SIGDTAKKLG EMWSEQSAKD KQPYEQKAAK
LKEKYEK DIA AYRAKGKSEA GKKGPRPTG
SKKKNEPEDE EEEEE
    
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Fig. 1. HMGB2 sequence

Product Description:

HMGB2 is 80% identical to HMGB1, but is encoded by a different gene. It consists of 195 amino acids and has a calculated molecular mass of approximately 22,3 kDa. The sequence is identical to *Homo sapiens*. HMGB2 is tested for the ability to induce fibroblast migration. The protein is free from LPS (<0.1EU/mL). The product contains <0.006% v/v of Triton X-114 due to LPS removal procedure.

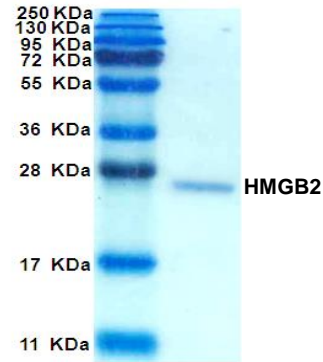


Fig. 2. SDS-PAGE with Coomassie Blue staining

Reagent format:

The HMGB2 protein we provide is the natural protein, with no tags or additional amino acids.

The lyophilized protein once reconstituted will be dissolved in a solution containing 50 mM HEPES pH 7.9, 500 mM NaCl, DTT 0,5 mM.

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

This product is for research use only

References:

- Zhang Y. *et al* (2022) HMGB2 causes photoreceptor death via down-regulating Nrf2/HO-1 and up-regulating NF-κB/NLRP3 signaling pathways in light-induced retinal degeneration model. *Free Radic Biol Med* 181:14-28
- Wun H. *et al* (2023) HMGB2 Deficiency Mitigates Abdominal Aortic Aneurysm by Suppressing Ang-II-Caused Ferroptosis and Inflammation via NF-κβ Pathway. *Mediators Inflamm*: 2157355

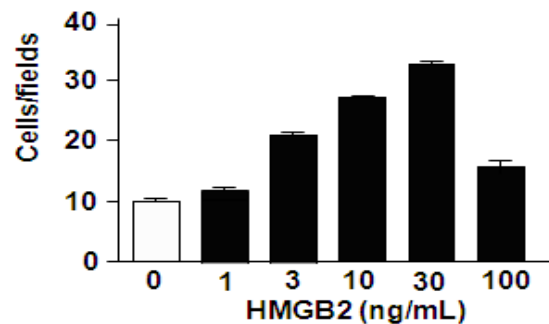


Fig. 3. Migration assay with 3T3 mouse cells