

Terminally oxidized-HMGB1

Product Number: *****

Expiration date: *****

Batch number: *****

Batch concentration: ***** mg/mL after addition of
***** µL of distilled water.

Product Description:

HMGB1 is a 25 kDa nuclear protein, present in almost all mammalian cells.

Terminally oxidized-HMGB1 has all the cysteines oxidized to sulfonates and has no activity, either as a chemoattractant or in cytokine stimulation (Kazama et al, 2008 ;Yang et al, 2012).

This product is produced in *E.coli*. 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.

Reagent format:

The terminally oxidized-HMGB1 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.

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

This product is for research use only

References:

- Ye Y. *et al* (2019) The Role of High Mobility Group Box 1 in Ischemic Stroke. *Front Cell Neurosci* 2:13:127
- Venereau E. *et al*. (2013) HMGB1 and leukocyte migration during trauma and sterile inflammation. *Mol Immunol.* 55(1):76-82
- Yang X. *et al* (2012) Redox modification of cysteine residues regulates the cytokine activity of HMGB1. *Mol Med.*00389

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MGKGDPPKPR  GKMSYAFFV  QTCREEHKKK
HPDASVNFSE  FSKKCSERWK TMSAKEKGGK
EDMAKADKAR  YEREMKTYIP PKGETKKKFK
DPNAPKRPPS  AFFLFCSEYR PKIKGEHPGL
SIGDVAKKLG  EMWNNTAADD KQPYEKKAAC
LKEKYEKDIA  AYRAKGKPA  AKKGVVKAEC
SKKKKEEEDD  EEDEEDEEEE EEEDEDEEEE
DDDDE
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Fig. 1. HMGB1 sequence

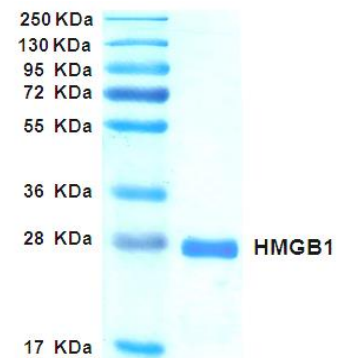


Fig. 2. SDS-PAGE with Coomassie Blue staining