



Terminally oxidized-HMGB1

Product Number: HM-060; HM-061; HM-062

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:

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.

Reagent format:

The terminally oxidized-HMGB1 protein we provide is the natural protein, with no tags or additional amino acids.

Terminally oxidized-HMGB1 is lyophilized from 50 mM HEPES buffer, pH 7.9 and 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:

Yang *et al* (2012) Redox modification of cysteine residues regulates the cytokine activity of HMGB1. Mol Med 2011 Nov 7. doi: 10.2119/molmed.2011.00389. [Epub ahead of print] PMID: 22105604

Venereau *et al*. HMGB1 and leukocyte migration during trauma and sterile inflammation. Mol Immunol. 2013 PMID:23207101

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MGKGDPPKPR  GKMSYYAFFV  QTCREEHKKK
HPDASVNFSE  FSKKCSERWK  TMSAKEKGF
EDMAKADKAR  YEREMKTYIP  PKGETKKKFK
DPNAPKRPPS  AFFLFCSEYR  PKIKGEHPGL
SIGDVAKKLG  EMWNNTAADD  KQPYEKKAAC
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SKKKKEEEDD  EEDEEDEEEE  EEEDEDEEEE
DDDDE
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Fig. 1. HMGB1 sequence

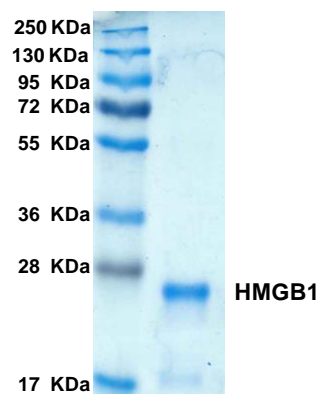


Fig. 2. SDS-PAGE with Coomassie Blue staining