

Product Datasheet

Recombinant Human HMGB1/HMG-1 GST (N-Term) Protein H00003146-P01-10ug

Unit Size: 10 ug

Store at -80C. Avoid freeze-thaw cycles.

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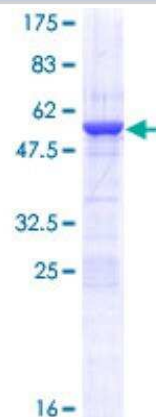


H00003146-P01-10ug**Recombinant Human HMGB1/HMG-1 GST (N-Term) Protein**

Product Information	
Unit Size	10 ug
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -80C. Avoid freeze-thaw cycles.
Preservative	No Preservative
Purity	>80% by SDS-PAGE and Coomassie blue staining
Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH 8.0 in the elution buffer.
Target Molecular Weight	49.39 kDa
Product Description	
Description	<p>A recombinant protein with GST tag at N-terminal corresponding to the amino acids 1-215 of Human HMGB1 full-length ORF</p> <p>Source: <i>Wheat Germ (in vitro)</i></p> <p>Amino Acid Sequence: MGKGDPPKKPRGKMSSYAFFVQTCREEHKKKHPDASVNFSEFSKKCSERWKT MSAKEKGFEDMAKADKARYEREMKTYIPPKGETKKKFKDPNAPKRPPSAFFL FCSEYRPKIKGEHPGLSIGDVAKKLGEMWNNTAADDKQPYEKKAACLKEKEYEK DIAAYRAKGPDAAKKGVVKAEKSKKKKEEEDEEDEDEDEDEDEDEDEDEDEDE DDDDE</p>
Gene ID	3146
Gene Symbol	HMGB1
Species	Human
Preparation Method	in vitro wheat germ expression system
Details of Functionality	This protein was produced in an in vitro wheat germ expression system that should preserve correct conformational folding that is necessary for biological function. While it is possible that this protein could display some level of activity, the functionality of this protein has not been explicitly measured or validated.
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Protein Array, SDS-Page, Sandwich ELISA, Immunoaffinity Purification, Competitive ELISA
Recommended Dilutions	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, SDS-Page, Sandwich ELISA, Protein Array, Competitive ELISA, Immunoaffinity Purification

Images

SDS-Page: Recombinant Human HMGB1/HMG-1 Protein [H00003146-P01] - 12.5% SDS-PAGE Stained with Coomassie Blue.



Publications

Kim JE, Lee W, Yang S et al. Suppressive effects of rare ginsenosides, Rk1 and Rg5, on HMGB1-mediated septic responses. *Food Chem Toxicol.* 2018-11-26 [PMID: 30496780]

Yang S, Lee W, Lee BS et al. Aloin Reduces HMGB1-Mediated Septic Responses and Improves Survival in Septic Mice by Activation of the SIRT1 and PI3K/Nrf2/HO-1 Signaling Axis. *Am J Chin Med.* 2019-04-09 [PMID: 30966773]

Lee Y, Lee W, Chang HH et al. Testican-1, as a novel diagnosis of sepsis. *J Cell Biochem* 2018-01-08 [PMID: 29315764]

Yoo H, Ku S-K, Zhou W et al. Anti-septic effects of phenolic glycosides from *Rhododendron brachycarpum* in vitro and in vivo. *Journal of Functional Foods* 2015-04-29

Lee W, Ku SK, Jeong TC et al. Ginsenosides Inhibit HMGB1-induced Inflammatory Responses in HUVECs and in Murine Polymicrobial Sepsis. *Bull Korean Chem Soc* 2014-06-10

Lee W, Ku SK, Bae JS. Zingerone reduces HMGB1-mediated septic responses and improves survival in septic mice. *Toxicol Appl Pharmacol* 2017-06-10 [PMID: 28610995]

Lee IC, Kim DY, Bae JS. Sulforaphane Reduces HMGB1-Mediated Septic Responses and Improves Survival Rate in Septic Mice. *Am J Chin Med* 2017-08-22 [PMID: 28830206]

Lee W, Ku SK, Park S et al. Inhibitory Effect of Three Diketopiperazines from Marine-Derived Bacteria on HMGB1-Induced Septic Responses in Vitro and in Vivo. *Am J Chin Med* 2016-09-15 [PMID: 27627916]

Min G, Ku SK, Park MS et al. Anti-septic effects of pelargonidin on HMGB1-induced responses in vitro and in vivo. *Arch Pharm Res* 2016-12-01 [PMID: 27778275]

Fang F, Jiang D. IL-1 B/HMGB1 Signaling Promotes the Inflammatory Cytokines Release via TLR S ignaling in Human Intervertebral Disc C ells. *Biosci Rep* 2016-08-10 [PMID: 27512095]

Yang EJ, Lee W, Song KS, Bae JS. Ameliorative effect of a rarely occurring C-methylrotenoid on HMGB1-induced septic responses in vitro and in vivo. *Biochem Pharmacol* 2016-04-19 [PMID: 27106082]

Puch CB, Barbier E, Kraut A et al. TOX4 and its binding partners recognize DNA adducts generated by platinum anticancer drugs. *Arch Biochem Biophys.* 2010-12-22 [PMID: 21184731]

More publications at <http://www.novusbio.com/H00003146-P01>



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