Product Datasheet

Recombinant Human HMGB1/HMG-1 Protein
H00003146-P01-10ug

Unit Size: 10 ug
Store at -80C. Avoid freeze-thaw cycles.

Publications: 33
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Updated 6/17/2018 v.20.1

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**Product Information**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit Size</td>
<td>10 ug</td>
</tr>
<tr>
<td>Concentration</td>
<td>Please see the vial label for concentration. If unlisted please contact technical services.</td>
</tr>
<tr>
<td>Storage</td>
<td>Store at -80°C. Avoid freeze-thaw cycles.</td>
</tr>
<tr>
<td>Purity</td>
<td>&gt;80% by SDS-PAGE and Coomassie blue staining</td>
</tr>
<tr>
<td>Buffer</td>
<td>50 mM Tris-HCl, 10 mM reduced Gluthathione, pH 8.0.</td>
</tr>
<tr>
<td>Target Molecular Weight</td>
<td>49.39 kDa</td>
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**Product Description**

**Description**: A recombinant protein with GST tag at N-terminal corresponding to the amino acids 1-215 of Human HMGB1 full-length ORF

**Source**: Wheat Germ (in vitro)

**Amino Acid Sequence**:  
MGKGDPKKPRGKMSSYAFFVQTCREEHKKKHDPASVFNSEFSKCSERWKTMSAKEKGKFEDMAKADKARYEREMKTYIPPGETKKKFDPNAPKRPPSAFFLFCSEYRPKIKGEHPGLSIGDVAKKLGMWNNTAADDKQYPEKKAALKKEKYEDIAAYRAKGKPDAAKKGVKAEKSKKKKKEEEEDEEEDEDEDEDEDEDEDEDE

**Gene ID**: 3146

**Gene Symbol**: HMGB1

**Species**: Human

**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, Protein Array, SDS-Page, Immunoaffinity Purification

**Recommended Dilutions**: Western Blot, ELISA, SDS-Page, Protein Array, Immunoaffinity Purification
Images
SDS-Page: Recombinant Human HMGB1/HMG-1 Protein [H00003146-P01] - 12.5% SDS-PAGE Stained with Coomassie Blue.

Publications


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


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


Bae JS. Effects of Lower Concentration Thrombin on High-Mobility Group Box 1 Protein-Mediated Inflammatory Responses. Inflammation. 2011 Dec 03 [PMID: 22139321]

More publications at http://www.novusbio.com/H00003146-P01
Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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