

[Go to Product page](#)

Datasheet for ABIN1691347

**HMGB2 Protein (AA 2-209) (His tag)**

## Overview

|                               |  |
|-------------------------------|--|
| Quantity:                     | 50 µg  |
| Target:                       | HMGB2  |
| Protein Characteristics:      | AA 2-209                                     |
| Origin:                       | Human  |
| Source:                       | Human Cells                                  |
| Protein Type:                 | Recombinant                                  |
| Purification tag / Conjugate: | This HMGB2 protein is labelled with His tag. |

## Product Details

|                  |  |
|------------------|--|
| Purpose:         | Recombinant Human High Mobility Group Protein B2/HMGB2 (C-6His)  |
| Sequence:        | MGKGDPNKPR GKMSSYAFFV QTCREEHKKK HPDSSVNFAE FSKKCSERWK TMSAKEKSKF<br>EDMAKSDKAR YDREMKNYVP PKGDKKGKKK DPNAPKRPPS AFFLFCSEHR PKIKSEHPGL<br>SIGDTAKKLG EMWSEQSAKD KQPYEQKAAK LKEYEKDIA AYRAKGKSEA GKKGPGRPTG<br>SKKKNEPEDE EEEEEEEDED EEEEEDEEEV DHHHHHH |
| Characteristics: | Recombinant Human High Mobility Group Protein B2/HMGB2 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Gly2-Glu209) of Human HMGB2 fused with a 6His tag at the C-terminus.              |
| Purity:          | > 95 % as determined by reducing SDS-PAGE.   |
| Sterility:       | 0.2 µm filtered  |
| Endotoxin Level: | Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test   |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | HMGB2  |
| Alternative Name: | HMGB2 ( <a href="#">HMGB2 Products</a> )   |
| Sub Type:         | Fusionprotein  |
| Background:       | <p>High Mobility Group Protein B2 (HMGB2) belongs to the non-histone chromosomal high-mobility group protein family. Members of this family are chromatin-associated and widely spread in the nucleus of higher eukaryotic cells. HMGB2 contains 2 HMG box DNA-binding domains. It is associated with chromatin and has the ability to bend DNA, preferentially single-stranded DNA. It is shown that HMGB2 is able to efficiently bend DNA and form DNA circles. In addition, HMGB2 is involved in the final ligation step in DNA end-joining processes of DNA double-strand breaks repair and V(D)J recombination.</p> <p>Alternative Names: High Mobility Group Protein B2, High Mobility Group Protein 2, HMG-2, HMGB2, HMG2</p> |
| Molecular Weight: | 25.07 kDa  |
| UniProt:          | <a href="#">P26583</a>   |
| Pathways:         | <a href="#">Cellular Response to Molecule of Bacterial Origin</a>  |

## Application Details

|               |                       |
|---------------|-----------------------|
| Restrictions: | For Research Use only |
|---------------|-----------------------|

## Handling

|                  |  |
|------------------|--|
| Format:          | Lyophilized  |
| Reconstitution:  | <p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH2O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>  |
| Buffer:          | Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.  |
| Handling Advice: | Always centrifuge tubes before opening. Do not mix by vortex or pipetting.   |
| Storage:         | 4 °C/-20 °C/-80 °C   |
| Storage Comment: | <p>Lyophilized protein should be stored at &lt; -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at &lt; -20°C for 3 months.</p> |
| Expiry Date:     | 3 months   |