

## Recombinant Human HIST1H2AB/HIST1H2BK Dimer Protein

**Cat. No.** HIST1H2AB-90H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human HIST1H2AB(1-130)/HIST1H2BK(1-126) dimer was expressed in E. coli.                   |
| <b>Species</b>          | Human                                                                                                 |
| <b>Source</b>           | E.coli                                                                                                |
| <b>ProteinLength</b>    | Full length                                                                                           |
| <b>Form</b>             | 10 mM Tris HCl, pH 7.5, 500 mM NaCl, 1 mM EDTA, 5 mM 2-mercaptoethanol, 10% glycerol                  |
| <b>Molecular Mass</b>   | 14.1 kDa (H2A), 13.9 kDa (H2B)                                                                        |
| <b>Purity</b>           | >95% by SDS-PAGE                                                                                      |
| <b>Storage</b>          | Store at -80°C. Thaw quickly and store on ice before use. Avoid repeated freezing and thawing cycles. |

### GENE INFORMATION

|                        |                                                    |
|------------------------|----------------------------------------------------|
| <b>Gene Name</b>       | HIST1H2AB histone cluster 1, H2ab [ Homo sapiens ] |
| <b>Official Symbol</b> | HIST1H2AB                                          |

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|                            |                                                                                                                                                                                                                          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b>            | H2A/m; H2AFM; H2A histone family, member M; histone 1, H2ab; histone H2A/m                                                                                                                                               |
| <b>Gene ID</b>             | <a href="#">8335</a>                                                                                                                                                                                                     |
| <b>mRNA Refseq</b>         | <a href="#">NM_003513</a>                                                                                                                                                                                                |
| <b>Protein Refseq</b>      | <a href="#">NP_003504</a>                                                                                                                                                                                                |
| <b>MIM</b>                 | <a href="#">602795</a>                                                                                                                                                                                                   |
| <b>UniProt ID</b>          | <a href="#">P04908</a>                                                                                                                                                                                                   |
| <b>Chromosome Location</b> | 6p22.2                                                                                                                                                                                                                   |
| <b>Pathway</b>             | Activated PKN1 stimulates transcription of AR (androgen receptor) regulated genes<br>KLK2 and KLK3, organism-specific biosystem; Alcoholism, conserved biosystem;<br>Chromatin organization, organism-specific biosystem |
| <b>Function</b>            | DNA binding; protein heterodimerization activity                                                                                                                                                                         |

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