

## H2-K1 recombinant protein

Recombinant Mouse H2-K1 protein, Avitag Tag

|                              |                       |                                   |
|------------------------------|-----------------------|-----------------------------------|
| CATALOG #<br><b>AAA41029</b> | HOST<br><b>E Coli</b> | REACTIVITY<br><b>Mus musculus</b> |
|------------------------------|-----------------------|-----------------------------------|

### PRODUCT SYNONYMS

H2-K1; Recombinant Mouse H2-K1 protein; Avitag Tag; H-2K (B) ; H-2 class I histocompatibility antigen; K-B alpha chain; H2-K; H2-K1 recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | E Coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Reactivity              | Mus musculus                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Purity/Purification     | >90% as determined by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Form/Format             | Lyophilized. Lyophilized from 50mM HEPES, pH 6.5, 8M urea, 0.1mM beta-Mercaptoethanol, 5% Trehalose, 5% Mannose, 1mM EDTA.                                                                                                                                                                                                                                                                                                                                                              |
| Reconstitution          | Reconstitute in sterile water for a stock solution. A copy of datasheet will be provided with the products, please refer to it for details.                                                                                                                                                                                                                                                                                                                                             |
| Construction            | A DNA sequence encoding the Mouse H2-K1 (full length) was fused with the Avitag Tag                                                                                                                                                                                                                                                                                                                                                                                                     |
| Preparation and Storage | Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 degree C for one week. Store at -20 to -80 degree C for ~12 months from the date of receipt.<br>Reconstitute in sterile water for a stock solution. A copy of datasheet will be provided with the products, please refer to it for details.<br>In general, proteins are provided as lyophilized powder/frozen liquid. They are shipped out with dry ice/blue ice unless customers require otherwise |

### ADDITIONAL INFORMATION

|                                                         |         |
|---------------------------------------------------------|---------|
| Product Categories/Family for H2-K1 recombinant protein | Protein |
|---------------------------------------------------------|---------|

### NCBI AND UNIPROT INFORMATION

|                                  |                                                                     |
|----------------------------------|---------------------------------------------------------------------|
| NCBI GI #                        | 133922588                                                           |
| NCBI GeneID                      | 14972                                                               |
| NCBI Accession #                 | NP_001001892.2                                                      |
| NCBI GenBank Nucleotide #        | NM_001001892.2                                                      |
| UniProt Accession #              | P01901; P01902; P03991; P04223; P14428                              |
| Molecular Weight                 | Predicted Molecular Mass: 33.63 kDa                                 |
| NCBI Official Full Name          | H-2 class I histocompatibility antigen, K-W28 alpha chain isoform 1 |
| NCBI Official Synonym Full Names | histocompatibility 2, K1, K region                                  |
| NCBI Official Symbol             | H2-K1                                                               |
| NCBI Official Synonym Symbols    | K-f; H-2K; H2-K; H-2K(d)                                            |

|                            |                                                                                                                                                                                                                                                                 |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI Protein Information   | H-2 class I histocompatibility antigen, K-W28 alpha chain; H-2 class I histocompatibility antigen, K-B alpha chain; H-2 class I histocompatibility antigen, K-D alpha chain; H-2 class I histocompatibility antigen, K-K alpha chain; H-2 class I histocompatib |
| UniProt Protein Name       | H-2 class I histocompatibility antigen, K-B alpha chain                                                                                                                                                                                                         |
| UniProt Gene Name          | H2-K1                                                                                                                                                                                                                                                           |
| UniProt Synonym Gene Names | H2-K; H-2K(B)                                                                                                                                                                                                                                                   |
| UniProt Entry Name         | HA1B_MOUSE                                                                                                                                                                                                                                                      |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/h2-k1-recombinant-protein-e-coli/41029>