

## Active Recombinant Mouse Cd8a protein, His-tagged

**Cat. No.** Cd8a-2283M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse Cd8a protein(NP_001074579.1)(Met1-Tyr196), fused with His tag, was expressed in HEK293.                                                                                                                                                                         |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | Met1-Tyr196                                                                                                                                                                                                                                                                       |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA. |
| <b>Bio-activity</b>     | Measured by its ability to bind biotinylated recombinant human B2M in functional ELISA.                                                                                                                                                                                           |
| <b>Molecular Mass</b>   | The secreted recombinant mouse CD8a consists of 180 amino acids and has a calculated molecular mass of 20.3 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 35 kDa protein in SDS-PAGE under reducing conditions.                         |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method                                                                                                                                                                                                                    |
| <b>Purity</b>           | > 95 % as determined by SDS-PAGE                                                                                                                                                                                                                                                  |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Storage** Samples are stable for up to twelve months from date of receipt at -20°C to -80°C  
Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** Cd8a CD8 antigen, alpha chain [ *Mus musculus* ]

**Official Symbol** Cd8a

**Synonyms** CD8A; CD8 antigen, alpha chain; T-cell surface glycoprotein CD8 alpha chain; T-cell surface glycoprotein Lyt-2; Lyt-2.1 lymphocyte differentiation antigen (AA at 100); Ly-2; Ly-B; Ly-35; Lyt-2; BB154331;

**Gene ID** 12525

**mRNA Refseq** NM\_001081110

**Protein Refseq** NP\_001074579

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