

Active Recombinant Human CD8A protein, His-tagged

Cat. No. CD8A-3196H **Lot. No.** (See product label)

SPECIFICATION

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| Product Overview | Recombinant Human CD8A protein(Ser 22 - Asp 182), fused with His tag, was expressed in HEK293. |
| Source | HEK293 |
| Species | Human |
| Tag | His |
| Form | Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization. |
| Bio-activity | Immobilized Human CD8 alpha, His Tag at 5 µg/mL (100 µL/well) can bind Anti-CD8 alpha Antibody, Human IgG1 with a linear range of 1-2 ng/mL. Immobilized Anti-CD8 alpha Antibody, Mouse IgG2a (clone: OKT8) at 1 µg/mL (100 µL/well) can bind Human CD8 alpha, His Tag with a linear range of 0.6-10 ng/mL. |
| Molecular Mass | This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 19.5 kDa. The protein migrates as 26-32 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation. |
| Proteinlength | Ser22-Asp182 |
| Endotoxin | Less than 1.0 EU per µg by the LAL method. |

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|-----------------------|---|
| Purity | >95% as determined by SDS-PAGE.>90% as determined by SEC-MALS. |
| Storage | For long term, the product should be stored at lyophilized state at -20°C or lower.Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution. |
| 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

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| Gene Name | CD8A CD8a molecule [Homo sapiens] |
| Official Symbol | CD8A |
| Synonyms | CD8A; CD8a molecule; CD8, CD8 antigen, alpha polypeptide (p32) , T cell surface glycoprotein CD8 alpha chain; T-cell surface glycoprotein CD8 alpha chain; T8 T-cell antigen; T cell co-receptor; OKT8 T-cell antigen; T-cell antigen Leu2; Leu2 T-lymphocyte antigen; CD8 antigen, alpha polypeptide (p32); T-lymphocyte differentiation antigen T8/Leu-2; CD8; MAL; p32; Leu2; |
| Gene ID | 925 |
| mRNA Refseq | NM_001145873 |
| Protein Refseq | NP_001139345 |
| MIM | 186910 |
| UniProt ID | P01732 |

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