

Recombinant Human CD8A Protein, His-tagged

Cat. No. CD8A-133H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human CD8a molecule(CD8A), transcript variant 3(NM_001145873), with a His tag, was expressed in human cells.

Species Human

Source Human Cells

Description The CD8 antigen is a cell surface glycoprotein found on most cytotoxic T lymphocytes that mediates efficient cell-cell interactions within the immune system. The CD8 antigen acts as a coreceptor with the T-cell receptor on the T lymphocyte to recognize antigens displayed by an antigen presenting cell in the context of class I MHC molecules. The coreceptor functions as either a homodimer composed of two alpha chains or as a heterodimer composed of one alpha and one beta chain. Both alpha and beta chains share significant homology to immunoglobulin variable light chains. This gene encodes the CD8 alpha chain. Multiple transcript variants encoding different isoforms have been found for this gene.

Form Purified protein formulated in a sterile solution of TBS buffer, pH7.136, without any preservatives.

Molecular Mass 23.5 kDa

Endotoxin Endotoxin level is < 0.1 ng/g of protein (<1EU /g)

Purity >90% by SDS-PAGE gel and Coomassie Blue staining

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Applications Antigen, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies.

GENE INFORMATION

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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