

## Recombinant Human CD8A protein, His-tagged

Cat. No. CD8A-274H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human CD8A, transcript variant 2, fused with His tag at N-terminal was expressed in E. coli.

**Species** Human

**Source** E.coli

**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** 25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1 % Sarkosyl.

**Molecular Mass** 19.4 kDa

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.

 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

**Concentration** >50 ug/mL as determined by microplate BCA method

## 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\_171827

**Protein Refseq** NP\_741969

**MIM** 186910

**UniProt ID** P01732

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