

Recombinant Human CD8A Protein, GST-Tagged

Cat. No. CD8A-0878H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CD8A full-length ORF (AAH25715, 1 a.a. - 235 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq, Nov 2011]
Molecular Mass	51.59 kDa
AA Sequence	MALPVTALLPLALLLHAARPSQFRVSPLDRTWNLGETVELKCQVLLSNPTSGCSWL FQPRGAAASPTFLLYLSQNKPKAAEGLDTRFSGKRLGDTFVLTLSDFRRENEGCY FCSALSNSIMYFSHFVPVFLPAKPTTTPAPRPPTPAPTIASQPLSLRPEACRPAAGGA VHTRGLDFACDIYWAPLAGTCGVLLLSLVITLYCNHRNRRRVCKCPRPVVKSGDKP SLSARYV

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
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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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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