

Recombinant Human CD8A Protein, C-His-tagged

Cat. No. CD8A-176H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD8A Protein with C-His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	Cluster of Differentiation 8 (CD8) is a disulphide-linked heterodimer consisting of the unrelated α and β subunits. Each subunit is a glycoprotein composed of a single extracellular Ig-like domain, a polypeptide linker, a transmembrane part and a short cytoplasmic tail. On T cells, CD8 is the coreceptor for the T cell receptor (TCR), and these two distinct structures recognize the Antigen–Major Histocompatibility Complex (MHC). Specifically, the Ig-like domain of CD8 α interacts with the $\alpha 3$ -domain of the MHC class I molecule. CD8 ensures specificity of the TCR–antigen interaction, prolongs the contact between the T cell and the antigen presenting cell, and the α chain recruits the tyrosine kinase Lck, which is essential for T cell activation.
Molecular Mass	~18 kDa
AA Sequence	SQFRVSPLDRTWNLGETVELKCQVLLSNPTSGCSWLFQPRGAAASPTFLLYLSQNK PKAAEGLDTQRFSGKRLGDTFVLTLSDFRRENEGYYFCSALSNSIMYFSHFVPVFLP AKPTTTPAPRPPTPAPTIASQPLSLRPEACRPAAGGAVHTRGLDFACD
Purity	Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).

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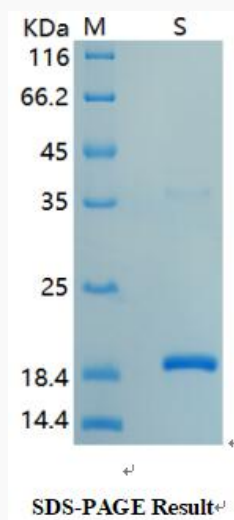
Notes	For research use only, not for use in diagnostic procedure.
Storage	Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.
Concentration	≥0.5 mg/mL
Storage Buffer	PBS, 4M Urea, pH7.4
GENE INFORMATION	
Gene Name	CD8A CD8a molecule [Homo sapiens (human)]
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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SDS-PAGE



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