

# Recombinant human CD8 alpha protein (Active) ab242436

### Description

<b>Product name</b>	Recombinant human CD8 alpha protein (Active)
<b>Biological activity</b>	Determined by its ability to induce plate adhesion of PHA-stimulated Jurkat cells.
<b>Purity</b>	> 95 % SDS-PAGE. Greater than 95% by SDS-PAGE gel and HPLC analyses. Due to glycosylation, it migrates at an apparent molecular weight of approximately 27-29 kDa by SDS-PAGE analysis, under reducing conditions.
<b>Expression system</b>	CHO cells
<b>Accession</b>	<b><u>P01732</u></b>
<b>Protein length</b>	Protein fragment
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	SQFRVSPLDRTWNLGETVELKCQVLLSNPTSGCSWLFQP RGAAASPTFLL YLSQNKPKAAEGLDTQRFSGKRLGDTFVLTLSDFRRENE GYYFCSALSNS IMYFSHFVPVFLPAKPTTTPAPRPPTPAPTIASQPLSLRPE ACRPAAGGA VHTRGLDFACD
<b>Predicted molecular weight</b>	18 kDa
<b>Amino acids</b>	22 to 182
<b>Additional sequence information</b>	Extracellular domain.

### Specifications

Our **Abpromise guarantee** covers the use of **ab242436** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	Functional Studies HPLC SDS-PAGE
<b>Form</b>	Lyophilized

## Preparation and Storage

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<b>Stability and Storage</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.  Constituent: 0.16% Sodium phosphate  This product is an active protein and may elicit a biological response in vivo, handle with caution.
<b>Reconstitution</b>	Reconstitute in water to 0.1-1.0 mg/ml.

## General Info

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<b>Function</b>	Identifies cytotoxic/suppressor T-cells that interact with MHC class I bearing targets. CD8 is thought to play a role in the process of T-cell mediated killing. CD8 alpha chains binds to class I MHC molecules alpha-3 domains.
<b>Involvement in disease</b>	Defects in CD8A are a cause of familial CD8 deficiency (CD8 deficiency) [MIM:608957]. Familial CD8 deficiency is a novel autosomal recessive immunologic defect characterized by absence of CD8+ cells, leading to recurrent bacterial infections.
<b>Sequence similarities</b>	Contains 1 Ig-like V-type (immunoglobulin-like) domain.
<b>Post-translational modifications</b>	All of the five most carboxyl-terminal cysteines form inter-chain disulfide bonds in dimers and higher multimers, while the four N-terminal cysteines do not.
<b>Cellular localization</b>	Secreted and Cell membrane.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

## Our Abpromise to you: Quality guaranteed and expert technical support

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