

## Product datasheet

# Recombinant human ICOS protein (Fc Chimera Active) ab215028

### Description

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<b>Product name</b>	Recombinant human ICOS protein (Fc Chimera Active)
<b>Biological activity</b>	Measured by its ability to inhibit human T cell proliferation induced by human CD275:Fc in the presence of anti-CD3.
<b>Purity</b>	>= 98 % SDS-PAGE.
<b>Endotoxin level</b>	< 0.060 Eu/μg
<b>Expression system</b>	CHO cells
<b>Accession</b>	<u><a href="#">Q9Y6W8</a></u>
<b>Protein length</b>	Protein fragment
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	EINGSANYEMFIFHNGGVQILCKYPDIVQQFKMQLLKGGQIL CDLTKTKG SGNTVSIKSLKFCHSQLSNNSVSFFLYNLDHSHANYFCN LSIFDPPPFK VTLTGGYLHIYESQLCCQL
<b>Amino acids</b>	21 to 139
<b>Additional sequence information</b>	Extracellular domain, fused to the N-terminus of the Fc region of mouse IgG2a. (NP_036224.1).

### Specifications

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Our **Abpromise guarantee** covers the use of **ab215028** 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>	SDS-PAGE Functional Studies
<b>Form</b>	Lyophilized

### Preparation and Storage

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**Stability and Storage** Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C.

Avoid freeze / thaw cycle.

Constituent: PBS

Lyophilized from 0.2 µm filtered solution.

This product is an active protein and may elicit a biological response in vivo, handle with caution.

## Reconstitution

Reconstitute vial with 100 µL sterile water. Working aliquots are stable for up to 3 months when stored at -20°C.

## General Info

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### Function

Enhances all basic T-cell responses to a foreign antigen, namely proliferation, secretion of lymphokines, up-regulation of molecules that mediate cell-cell interaction, and effective help for antibody secretion by B-cells. Essential both for efficient interaction between T and B-cells and for normal antibody responses to T-cell dependent antigens. Does not up-regulate the production of interleukin-2, but superinduces the synthesis of interleukin-10. Prevents the apoptosis of pre-activated T-cells. Plays a critical role in CD40-mediated class switching of immunoglobulin isotypes.

### Tissue specificity

Activated T-cells. Highly expressed on tonsillar T-cells, which are closely associated with B-cells in the apical light zone of germinal centers, the site of terminal B-cell maturation. Expressed at lower levels in thymus, lung, lymph node and peripheral blood leukocytes. Expressed in the medulla of fetal and newborn thymus.

### Involvement in disease

Immunodeficiency, common variable, 1

### Sequence similarities

Contains 1 Ig-like V-type (immunoglobulin-like) domain.

### Post-translational modifications

N-glycosylated.

### Cellular localization

Secreted and Cell membrane.

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**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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