

## Product datasheet

# Recombinant human TIM 1 protein (Fc Chimera Active) ab214996

### Description

<b>Product name</b>	Recombinant human TIM 1 protein (Fc Chimera Active)	
<b>Biological activity</b>	Measured by its ability to inhibit anti-CD3-induced proliferation of stimulated Human T cells.	
<b>Purity</b>	>= 98 % SDS-PAGE.	
<b>Endotoxin level</b>	< 5.000 Eu/mg	
<b>Expression system</b>	HEK 293 cells	
<b>Accession</b>	<a href="#">NP_036338.2</a>	
<b>Protein length</b>	Protein fragment	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Human	
<b>Sequence</b>	SVKVGGEAGPSVTLPCHYSGAVTSMCWNRGSCSLFTCQ NGMWTNGTHVT YRKDTRYKLLGDLSRRDVSLTIENTAVSDSGVYCCRVEHR GWFNDMKITV SLEMPPKVTTTPVTTVPTVTTVRTSTTVPTTTTVPMTTVPT TTVPTTM SIPTTTTLTMTVSTTTSVPTTTSIPTTTSVPVTTTVSTFVP PMPLPRQ NHEPVATSPSSPQPAETHPTTLQGAI RREPTSSPLYSYTDD GNDTVTESS DGLWNNNQTLFLEHSLLTANTTKG	
<b>Predicted molecular weight</b>	110 kDa including tags	
<b>Amino acids</b>	21 to 295	
<b>Additional sequence information</b>	Extracellular domain fused to the N-terminus of the Fc region of mouse IgG2a.	

### Specifications

Our [Abpromise guarantee](#) covers the use of **ab214996** 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
	SDS-PAGE

**Form** Lyophilized

## Preparation and Storage

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**Stability and Storage** Shipped at 4°C. Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.  
Constituent: 100% PBS  
  
Lyophilized from 0.2µM filtered solution.  
This product is an active protein and may elicit a biological response in vivo, handle with caution.

**Reconstitution** Reconstitute with 100 µl sterile water. Add 1X PBS to the desired protein concentration.

## General Info

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**Function** May play a role in T-helper cell development and the regulation of asthma and allergic diseases. Receptor for TIMD4 (By similarity). In case of human hepatitis A virus (HHAV) infection, functions as a cell-surface receptor for the virus. May play a role in kidney injury and repair.

**Tissue specificity** Widely expressed, with highest levels in kidney and testis. Expressed by activated CD4+ T-cells during the development of helper T-cells responses.

**Sequence similarities** Belongs to the immunoglobulin superfamily. TIM family. Contains 1 Ig-like V-type (immunoglobulin-like) domain.

**Cellular localization** 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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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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