

# Recombinant human Fas Ligand protein ab186673

### Description

<b>Product name</b>	Recombinant human Fas Ligand protein	
<b>Biological activity</b>	Determined by its ability to induce cytotoxicity in Jurkat cells in the absence of any cross-linking. The ED <sub>50</sub> for this effect is ≤ 10.0 ng/ml, corresponding to a specific activity of ≥ 1 x 10 <sup>5</sup> units/mg.	
<b>Purity</b>	> 95 % SDS-PAGE. ab186673 purity was also assessed by HPLC.	
<b>Expression system</b>	CHO cells	
<b>Accession</b>	<b>P48023</b>	
<b>Protein length</b>	Protein fragment	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Human	
<b>Sequence</b>	HHHHHHHHPSPPEKKELRKVAHLTGKSNSRSMPLWE DTYGMLLSGVK YKKGGLVINETGLYFVYSKVYFRGQSCNNLPLSHKVYMRN SKYPQDLVMM EGKMMSYCTTGQMWARSSYLGAVFNLTSADHLYNVSEL SLVNFEEESQTF FGLYKL	
<b>Predicted molecular weight</b>	18 kDa including tags	
<b>Amino acids</b>	133 to 281	
<b>Tags</b>	His tag N-Terminus	
<b>Additional sequence information</b>	soluble Fas Ligand comprising the TNF homologous region	

### Specifications

Our [Abpromise guarantee](#) covers the use of **ab186673** 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 HPLC
<b>Form</b>	Lyophilized

### Preparation and Storage

<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 long term. Avoid freeze / thaw cycle. Constituents: 0.16% Sodium phosphate, 0.88% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.
<b>Reconstitution</b>	Centrifuge vial prior to opening. Reconstitute in water to 0.1 -1.0 mg/ml.

## General Info

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<b>Function</b>	Cytokine that binds to TNFRSF6/FAS, a receptor that transduces the apoptotic signal into cells. May be involved in cytotoxic T-cell mediated apoptosis and in T-cell development. TNFRSF6/FAS-mediated apoptosis may have a role in the induction of peripheral tolerance, in the antigen-stimulated suicide of mature T-cells, or both. Binding to the decoy receptor TNFRSF6B/DcR3 modulates its effects.
<b>Involvement in disease</b>	Defects in FASLG are the cause of autoimmune lymphoproliferative syndrome type 1B (ALPS1B) [MIM:601859]; also known as Canale-Smith syndrome (CSS). ALPS is a childhood syndrome involving hemolytic anemia and thrombocytopenia with massive lymphadenopathy and splenomegaly.
<b>Sequence similarities</b>	Belongs to the tumor necrosis factor family.
<b>Post-translational modifications</b>	N-glycosylated. The soluble form derives from the membrane form by proteolytic processing.
<b>Cellular localization</b>	Cell membrane. Secreted. May be released into the extracellular fluid, probably by cleavage from the cell surface.

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

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- 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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