

### Recombinant human Fas protein ab199806

#### Description

<b>Product name</b>	Recombinant human Fas protein
<b>Biological activity</b>	Fully biologically active when compared to standard. The ED <sub>50</sub> as determined by its ability to inhibit the cytotoxicity of Jurkat cells is between 10-15 µg/mL in the presence of 2 ng/mL of rHuFas Ligand.
<b>Purity</b>	> 95 % SDS-PAGE. assessed also by HPLC analysis
<b>Endotoxin level</b>	< 1.000 Eu/µg
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<b><u>P25445</u></b>
<b>Protein length</b>	Protein fragment
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	RLSSKSVNAQ VTDINSKGL E LRKTVTTVET QNLEGLHHDG QFCHKPCPPG ERKARDCTVN GDEPDCVPCQ EGKEYTDKAH FSSKCRRCL CDEGHGLEVE INCTRTQNTK CRCKPNFFCN STVCEHCDPC TKCEHGIKE CTLTSNTKCK EEGSRSN
<b>Predicted molecular weight</b>	18 kDa
<b>Amino acids</b>	17 to 173

#### Specifications

Our **Abpromise guarantee** covers the use of **ab199806** 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>	HPLC
	SDS-PAGE
	Functional Studies
<b>Form</b>	Lyophilized

#### Preparation and Storage

<b>Stability and Storage</b>	<p>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. Reconstitute for long term storage.</p> <p>pH: 7.40</p> <p>Constituent: 100% PBS</p> <p>This product is an active protein and may elicit a biological response in vivo, handle with caution.</p>
<b>Reconstitution</b>	<p>Lyophilized from a 0.2 µm filtered concentrated solution. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at = -20 °C. Further dilutions should be made in appropriate buffered solutions.</p>
<b>General Info</b>	
<b>Function</b>	<p>Receptor for TNFSF6/FASLG. The adapter molecule FADD recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis. FAS-mediated apoptosis may have a role in the induction of peripheral tolerance, in the antigen-stimulated suicide of mature T-cells, or both. The secreted isoforms 2 to 6 block apoptosis (in vitro).</p>
<b>Tissue specificity</b>	<p>Isoform 1 and isoform 6 are expressed at equal levels in resting peripheral blood mononuclear cells. After activation there is an increase in isoform 1 and decrease in the levels of isoform 6.</p>
<b>Involvement in disease</b>	<p>Defects in FAS are the cause of autoimmune lymphoproliferative syndrome type 1A (ALPS1A) [MIM:601859]; also known as Canale-Smith syndrome (CSS). ALPS is a childhood syndrome involving hemolytic anemia and thrombocytopenia with massive lymphadenopathy and splenomegaly.</p>
<b>Sequence similarities</b>	<p>Contains 1 death domain.</p> <p>Contains 3 TNFR-Cys repeats.</p>
<b>Domain</b>	<p>Contains a death domain involved in the binding of FADD, and maybe to other cytosolic adapter proteins.</p>
<b>Cellular localization</b>	<p>Secreted and Cell membrane.</p>

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

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