

## Human CD178 / Fas Ligand (N-term, His-tagged)

<b>Alternate names:</b>	APT1LG1, APTL, Apoptosis antigen ligand, CD95L protein, FASL, FASLG, Fas antigen ligand, TNFSF6, Tumor necrosis factor ligand superfamily member 6
<b>Catalog No.:</b>	AR20009PU-S
<b>Quantity:</b>	2 µg
<b>Background:</b>	Fas Ligand (FasL) is a member of the TNF superfamily that is expressed on the cell surface of activated T cells. Binding of FasL to Fas Receptor triggers apoptosis in Fas-bearing cells. FasL has the ability to kill T cells and activated B cells which leads to down-regulation of the immune response. The mechanism of Fas induced apoptosis involves recruitment of pro-caspase 8 through an adaptor molecule called FADD followed by processing of the pro-enzyme to active forms. These active caspases then cleave various cellular substrates leading to the eventual cell death. Both human and murine sFasL are fully active on human and murine cells.
<b>Uniprot ID:</b>	<a href="#">P48023</a>
<b>NCBI:</b>	<a href="#">NP_000630</a>
<b>GenelD:</b>	<a href="#">356</a>
<b>Species:</b>	Human
<b>Source:</b>	CHO cells
<b>Format:</b>	<b>State:</b> Lyophilized (0.2µ Sterile filtered) purified protein with no Additives <b>Purity:</b> >95% pure by SDS-PAGE gel and HPLC analyses <b>Endotoxin Level:</b> < 0.1 ng per µg (1EU/µg) <b>Reconstitution:</b> Restore in water to a concentration of 0.1-1.0 mg/ml. This solution can then be diluted into other aqueous buffers and stored at 2-8°C for 1 week or -20°C for future use.
<b>Description:</b>	Recombinant Human soluble Fas Ligand is a 17.9 kDa protein comprising the TNF homologous region of FasL and contains an 8 residue N-terminal <i>His-Tag</i> . <b>AA Sequence:</b> HHHHHHHPS PPPEKKELRK VAHLTGKSNS RSMPLIEWEDT YGIVLLSGVK YKKGGLVINE TGLYFVYSKV YFRGQSCNNL PLSHKVYMRN SKYPQDLVMM EGKMSYCTT GQMWARSYL GAVFNLT SAD HLYVNVSELS LVNFEE SQTF FGLYKL <b>Biological Activity:</b> Determined by its ability to induce cytotoxicity in Jurkat cells in the absence of any cross-linking. The ED50 for this effect is ≤ 10.0 ng/ml <b>Specific Activity:</b> ≥ 1 x 10 <sup>5</sup> units/mg. <b>Molecular weight:</b> 17.9 kDa
<b>Add. Information:</b>	Centrifuge the vial prior to opening!

**Storage:**

Prior to reconstitution store at 2-8°C for 6 months, at RT for one month or at -20°C to -80°C for longer.

Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.