Datasheet for ABIN2469071

# FASL Protein (Soluble)

Go to Product page

## Overview

| | |
|---|---|
| Quantity: | 0.002 mg |
| Target: | FASL |
| Protein Characteristics: | Soluble |
| Origin: | Human |
| Source: | CHO Cells |
| Protein Type: | Recombinant |
| Biological Activity: | Active |

## Product Details

| | |
|---|---|
| Sequence: | HHHHHHHHPS PPPEKKELRK VAHLTGKSNS RSMPLEWEDT YGIVLLSGVK YKKGGLVINE TGLYFVYSKV YFRGQSCNNL PLSHKVYMRN SKYPQDLVMM EGKMMSYCTT GQMWARSSYL GAVFNLTSAD HLYVNVSELS LVNFEESQTF FGLYKL |
| Characteristics: | Biological activity was determined by it's ability to induce cytotoxicity in Jurkat cells in the absence of any cross-linking. The ED50 for this effect is < 10.0 ng/mL, corresponding to a specific activity of > 1 x $10^5$ units/mg. |
| Purity: | <= 95 % by SDS-PAGE gel and HPLC analyses. |
| Endotoxin Level: | Endotoxin level is less than 0.1 ng per µg (1 EU/µg). |

## Target Details

| | |
|---|---|
| Target: | FASL |
| Alternative Name: | Fas Ligand (FASL Products) |

## Target Details

| | |
|---|---|
| Background: | 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. 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 His-Tag. |
| Gene ID: | 356 |
| NCBI Accession: | NP_000630 |
| OMIM: | 4557329 |
| UniProt: | P48023 |
| Pathways: | Apoptosis, EGFR Signaling Pathway, Production of Molecular Mediator of Immune Response, Positive Regulation of Endopeptidase Activity |

## Application Details

| | |
|---|---|
| Restrictions: | For Research Use only |

## Handling

| | |
|---|---|
| Format: | Lyophilized |
| Handling Advice: | As with any protein, exposing sFas Ligand recombinant protein to repeated freeze / thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature. |
| Storage: | -20 °C |
| Storage Comment: | The recombinant protein is stable for at least 2 years from date of receipt at -20 °C. Reconstituted sFas Ligand is stable for at least 3 months when stored in working aliquots with a carrier protein at -20 °C. |
| Expiry Date: | 24 months |