9051 Mira Mesa Blvd, #910094
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FASLG Human, HEK

FAS Ligand Human Recombinant, HEK
CYK0151

Product Overview

Name	FASLG Human, HEK
Description	
FAS Ligand Human Recombinant, HEK	
Accession (Primary)	P48023
Synonyms	
Fas ligand (TNF superfamily, member 6), APT1LG1, FASL, TNFSF6, CD178, tumor necrosis factor (ligand) superfamily member 6, Apoptosis antigen ligand, Fas antigen ligand, APTL, CD95-L.	
Introduction	
The type II transmembrane protein FASLG is a member of the tumor necrosis factor (TNF) superfamily. A fas ligand/receptor interaction has a significant part in the regulation of the immune system and the advancement of cancer. FASLG is expressed on the activated T cell surface as a nondisulfidelinked homotrimer. FASLG binding to Fas/CD95/TNFRSF6 on a nearby cell prompts apoptosis in the Fas expressing cell. FASLG is released from the cell surface by metalloproteinases as a soluble molecule that stays trimeric and is able to bind with Fas, but its capability to activate apoptosis is radically reduced. In addition, FASLG binds to DcR3 - a soluble trap receptor with no signal transduction capabilities. Flawed Fas-mediated apoptosis causes oncogenesis in addition to drug resistance in existing tumors. Constitutive expression of FASLG in a variety of tumors enables their immune evasion. Both mouse and human FASLG are active on mouse and human cells.	
Source	
HEK293 cells.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The FASLG solution (0.6mg/ml) contains 1xPBS.	
Stability	
FASLG Human Recombinant although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.	
Purity	
Greater than 95.0% as determined by: (a) Analysis by SEC-HPLC. (b) Analysis by SDS-PAGE.	

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Biological Activity

Fas ligand is biologically active as determined by its ability to induce cytotoxicity in Jurkat cells in the absence of any cross-linking. The expected ED 50 < 10 ng/ml, corresponding to a specific activity of 1x10 5 units/mg.

Precautions

FASLG Human, HEK is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P48023)