9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

FASLG Human

FAS Ligand Human Recombinant
CYK0150

Product Overview

Name	FASLG Human
Description	
FAS Ligand Human Recombinant	
Accession (Primary)	P48023
Synonyms	
Tumor necrosis factor ligand superfamily member 6, Apoptosis antigen ligand, APTL, CD95 ligand, CD95-L, Fas antigen ligand, Fas ligand, FasL, CD178, FASLG, APT1LG1, CD95L, TNFSF6, ALPS1B.	
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	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
FASLG protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M urea and 10% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90% as determined by SDS-PAGE.	

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Amino acid sequence

MGSSHHHHHH SSGLVPRGSH M QIGHPSPPP EKKELRKVAH LTGKSNSRSM PLEWEDTYGI VLLSGVKYKK GGLVINETGL YFVYSKVYFR GQSCNNLPLS HKVYMRNSKY PQDLVMMEGK MMSYCTTGQM WARSSYLGAV FNLTSADHLY VNVSELSLVN FEESQTFFGL YKL.

Precautions

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

Target Information: (P48023)