Datasheet for ABIN7488949

FASL Protein (His tag)

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Overview

Quantity:	50 µg
Target:	FASL
Origin:	Rhesus Monkey, Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FASL protein is labelled with His tag.

Product Details

Purpose:	Cynomolgus / Rhesus macaque Fas Ligand / TNFSF6 Protein, His Tag, premium grade
Sequence:	Pro 133 - Leu 280
Characteristics:	Cynomolgus / Rhesus macaque Fas Ligand Protein, His Tag, premium grade is expressed from human 293 cells (HEK293). It contains AA Pro 133 - Leu 280 (Accession # P63308-1).
Purity:	90 %
Endotoxin Level:	1.0 EU per µg
Grade:	Premium grade

Target Details

Target:	FASL
Alternative Name:	TNFSF6 (FASL Products)
Background:	Fas ligand is also known as FasL, CD178, CD95L, or TNFSF6, is a homotrimeric type-II

Target Details

	transmembrane protein that belongs to the tumor necrosis factor (TNF) family. Its binding with its receptor induces apoptosis. Fas ligand/receptor interactions play an important role in the regulation of the immune system and the progression of cancer. Mature human Fas Ligand consists of a 179 amino acid (aa) extracellular domain (ECD), a 22 aa transmembrane segment, and a 80 aa cytoplasmic domain. Within the ECD, human Fas Ligand shares 81 % and 78 % aa sequence identity with mouse and rat Fas Ligand, respectively. Apoptosis triggered by Fas-Fas ligand binding plays a fundamental role in the regulation of the immune system. Its functions include:T-cell homeostasis, cytotoxic T-cell activity, immune privilege, maternal tolerance, tumor counterattack. Defective Fas-mediated apoptosis may lead to oncogenesis as well as drug resistance in existing tumors. Germline mutation of Fas is associated with autoimmune lymphoproliferative syndrome (ALPS), a childhood disorder of apoptosis.
Molecular Weight:	18.8 kDa
Pathways:	Apoptosis, EGFR Signaling Pathway, Production of Molecular Mediator of Immune Response, Positive Regulation of Endopeptidase Activity

Application Details

Comment:	This protein carries a polyhistidine tag at the N-terminus. (10xHis) The protein has a calculated MW of 18.8 kDa. The protein migrates as 27-33 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	PBS, pH 7.4
Storage:	-20 °C
Storage Comment:	-20°C

