

Active Recombinant Human FAS Homodimer Protein, His tagged

Cat. No. FAS-27H Lot. No. (See product label)

SPECIFICATION

Product Overview CD95 protein dimer contains a CD95 extracellular domain (UniProt# P25445) fused with a proprietary cis-dimer motif followed by a His tag at the C-terminus was expressed in HEK293T.

Species Human

Source HEK293T

ProteinLength 26-173 aa

Description Human cluster of differentiation 95 (CD95) is a death receptor and a Type I transmembrane glycoprotein. CD95 is also known as tumor necrosis factor receptor superfamily member 6 (TNFRSF6), Fas receptor (FasR), Fas, apoptosis antigen 1 (APO-1), APT, ALPS1A, FAS1, FASTM, and Fas cell surface death receptor. It plays a critical role in the regulation of apoptosis (programmed cell death). CD95 contains an extracellular domain with three cysteine-rich domains (CRDs) and a pre-ligand assembly domain (PLAD) which allows it to form homodimers or homotrimers in the absence of ligand. When CD95 binds its ligand CD95 ligand (CD95L), also known as Fas ligand (FasL), it leads to a form of programmed cell death known as apoptosis. Although CD95 has been shown to promote tumor growth in mouse models, in humans the gene is often deleted in cancerous tumors, suggesting it may function as a tumor suppressor. A recombinant protein mimicking the CD95 dimer conformation can be a very useful for cancer research and therapeutic discovery.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Molecular Mass	49 kDa
Purity	Greater than 90% dimer form as determined by SDS-PAGE under non-reducing condition
Application	Verified Applications: SPR for CD95 and CD95 ligand (CD95L/FasL) protein binding assays. Suggested Applications: ELISA & BLI for CD95 and CD95L/FasL protein binding assays. Animal immunization, RUO.
Storage	Store at -80 centigrade.
Storage Buffer	0.22µm filtered PBS, pH 7.4
Shipping	Frozen Dry Ice

GENE INFORMATION

Gene Name	FAS Fas (TNF receptor superfamily, member 6) [Homo sapiens (human)]
Official Symbol	FAS
Synonyms	FAS; Fas (TNF receptor superfamily, member 6); APT1, FAS1, TNFRSF6, tumor necrosis factor receptor superfamily, member 6; tumor necrosis factor receptor superfamily member 6; APO 1; CD95; Fas AMA; FAS 827dupA; CD95 antigen; FASLG receptor; apoptosis antigen 1; Delta Fas/APO-1/CD95; APO-1 cell surface antigen; apoptosis-mediating surface antigen FAS; tumor necrosis factor receptor superfamily, member 6; APT1; FAS1; APO-1; FASTM; ALPS1A; TNFRSF6;
Gene ID	355
mRNA Refseq	NM_000043

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Protein Refseq	NP_000034
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MIM	134637
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UniProt ID	P25445
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