

Recombinant Cattle FAS Protein, His&GST-tagged

Cat. No. FAS-921C Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Cattle FAS Protein (Leu37-Tyr274) with His&GST tag was expressed in E. coli.

Species Cattle

Source E.coli

ProteinLength Leu37-Tyr274

Description

The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor contains a death domain. It has been shown to play a central role in the physiological regulation of programmed cell death, and has been implicated in the pathogenesis of various malignancies and diseases of the immune system. The interaction of this receptor with its ligand allows the formation of a death-inducing signaling complex that includes Fas-associated death domain protein (FADD), caspase 8, and caspase 10. The autoproteolytic processing of the caspases in the complex triggers a downstream caspase cascade, and leads to apoptosis. This receptor has been also shown to activate NF-kappaB, MAPK3/ERK1, and MAPK8/JNK, and is found to be involved in transducing the proliferating signals in normal diploid fibroblast and T cells. Several alternatively spliced transcript variants have been described, some of which are candidates for nonsense-mediated mRNA decay (NMD). The isoforms lacking the transmembrane domain may negatively regulate the apoptosis mediated by the full length isoform.

 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

Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 57.16 kDa; Accurate Molecular Mass: 57 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	FAS Fas cell surface death receptor [<i>Bos taurus</i> (cattle)]
Official Symbol	FAS
Synonyms	FAS; Fas cell surface death receptor; APO1; TNFRSF6; tumor necrosis factor receptor superfamily member 6; FASLG receptor; Fas (TNF receptor superfamily, member 6); apo-1 antigen; apoptosis (APO-1) antigen 1 (FAS), member 6; apoptosis-mediating surface antigen FAS; tumor necrosis factor receptor superfamily, member 6

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Gene ID	282488
mRNA Refseq	NM_174662
Protein Refseq	NP_777087
UniProt ID	P51867

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