RP00362

Leader in Biomolecular Solutions for Life Science

www.abclonal.com

Recombinant Human CD95/TNFRSF6/FAS Protein

Catalog No.: RP00362 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	355	P25445

Tags
C-6×His

Synonyms
ALPS1A;APO-1;APT1;CD95;FAS1;FASTM;TNFRSF6;FAS; ALPS1A; APO-1; APT1; CD95; FAS1; FASTM; TNFRSF6; Fas cell surface death receptor

Product Information

Source
HEK293 cells

Purification
> 95% by SDS-PAGE.

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.Contact us for customized product form or formulation.

Reconstitution
Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

This protein 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.

Basic Information

Description
Recombinant Human CD95/TNFRSF6/FAS Protein is produced by Human Cell expression system. The target protein is expressed with sequence (Gln26-Asn173) of human CD95/TNFRSF6/FAS (Accession #P25445) fused with a 6×His tag at the C-terminus.

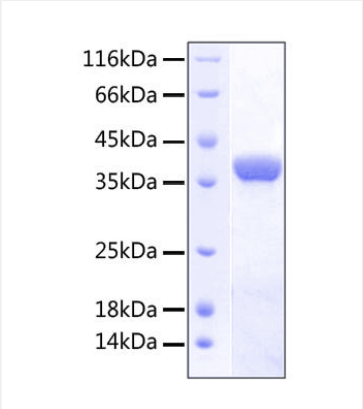
Bio-Activity
Measured by its ability to inhibit Fas Ligand-induced apoptosis of Jurkat human acute T cell The ED₅₀ for this effect is typically 6-36 ng/mL in the presence of 5 ng/mL Recombinant Human Fas Ligand/TNFSF6.

Storage
Store the lyophilized protein at -20°C to -80 °C for long term.
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact

www.abclonal.com

Validation Data



Recombinant protein Human CD95/TNFRSF6/FAS was determined by SDS-PAGE under reducing conditions with Coomassie Blue, showing a band at 38 kDa.