ARG70402
Mouse CD253 / TRAIL recombinant protein (Active) (His-tagged, C-ter)

Package: 100 µg, 20 µg
Store at: -20°C

Summary

Product Description	E. coli expressed, His-tagged (C-ter) Active Mouse CD253 / TRAIL recombinant protein
Tested Application	SDS-PAGE
Target Name	CD253 / TRAIL
Species	Mouse
A.A. Sequence	Pro118 - Asn291
Expression System	E. coli
Activity	Active
Activity Note	Determined by its ability to induce cytotoxicity in L929 cells in the presence of actinomycin D. The ED50 for this effect is < 1 ng/mL.
Alternate Names	TNFSF10; TNF Superfamily Member 10; Apo-2L; TRAIL; CD253; TL2; Tumor Necrosis Factor (Ligand) Superfamily, Member 10; Tumor Necrosis Factor Ligand Superfamily Member 10; Apo-2 Ligand; TANCR; APO2L; Chemokine Tumor Necrosis Factor Ligand Superfamily Member 10; Tumor Necrosis Factor (Ligand) Family, Member 10; TNF-Related Apoptosis Inducing Ligand TRAIL; Tumor Necrosis Factor Superfamily Member 10; TNF-Related Apoptosis-Inducing Ligand; Tumor Necrosis Factor Ligand 6A; Protein TRAIL; CD253 Antigen; TNLG6A

Properties

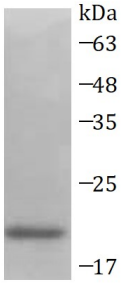
Form	Powder
Purification Note	Endotoxin level is less than 0.1 EU/µg of the protein, as determined by the LAL test.
Purity	> 98% (by SDS-PAGE)
Buffer	PBS (pH 7.4)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	TNFSF10
Gene Full Name	TNF Superfamily Member 10
Background	The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This protein preferentially induces apoptosis in transformed and tumor cells, but does not appear to kill normal cells although it is expressed at a significant level in most normal tissues. This protein binds to several members of TNF receptor superfamily including TNFRSF10A/TRAILR1, TNFRSF10B/TRAILR2, TNFRSF10C/TRAILR3, TNFRSF10D/TRAILR4, and possibly also to TNFRSF11B/OPG.

	The activity of this protein may be modulated by binding to the decoy receptors TNFRSF10C/TRAILR3, TNFRSF10D/TRAILR4, and TNFRSF11B/OPG that cannot induce apoptosis. The binding of this protein to its receptors has been shown to trigger the activation of MAPK8/JNK, caspase 8, and caspase 3. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Function	Induces apoptosis. Its activity may be modulated by binding to the decoy receptors TNFRSF10C/TRAILR3, TNFRSF10D/TRAILR4 and TNFRSF11B/OPG that cannot induce apoptosis.
PTM	Phosphoprotein
Cellular Localization	Cell membrane, Membrane, Secreted

Images



Mouse CD253 / TRAIL recombinant protein

ARG70402 Mouse CD253 / TRAIL recombinant protein (Active) (His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70402 Mouse CD253 / TRAIL recombinant protein (Active) (His-tagged, C-ter)