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Datasheet for ABIN7274587

FAS Protein (AA 26-173) (His tag)

2 Images

Overview

Quantity:	100 µg
Target:	FAS
Protein Characteristics:	AA 26-173
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FAS protein is labelled with His tag.

Product Details

Purpose:	Human Fas/TNFRSF6/CD95 Protein
Sequence:	Gln26-Asn173
Characteristics:	Recombinant Human Fas/TNFRSF6/CD95 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln26-Asn173.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	The affinity constant of 19.45 nM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

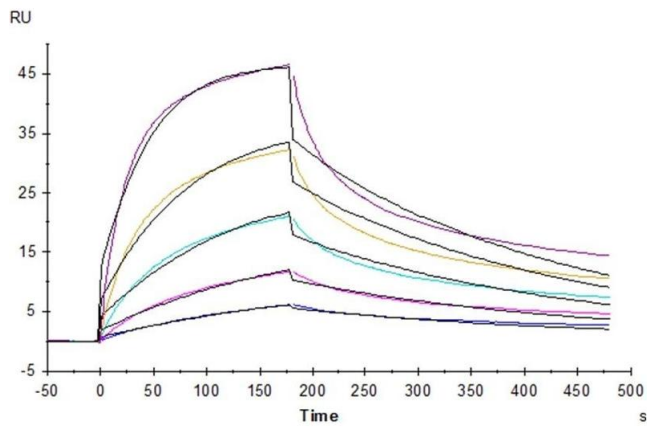
Target:	FAS
Alternative Name:	Fas (FAS Products)
Background:	CD95 (also known as Fas) is a member of the tumor necrosis factor receptor (TNFR) superfamily. Its cognate ligand, CD95L, is implicated in immune homeostasis and immune surveillance. Mutations in this receptor are associated with a loss of apoptotic signaling and have been detected in an autoimmune disorder called autoimmune lymphoproliferative syndrome (ALPS) type Ia, which shares some clinical features with systemic lupus erythematosus (SLE).
Molecular Weight:	13.7 kDa. Due to glycosylation, the protein migrates to 30-40 kDa based on Tris-Bis PAGE result.
Pathways:	p53 Signaling , Apoptosis , Production of Molecular Mediator of Immune Response , Positive Regulation of Endopeptidase Activity

Application Details

Restrictions:	For Research Use only
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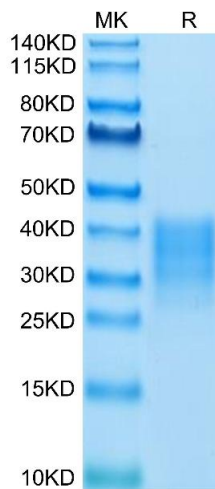
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



Surface Plasmon Resonance

Image 1. Human Fas, His Tag immobilized on CM5 Chip can bind Human Fas Ligand, His Tag with an affinity constant of 19.45 nM as determined in SPR assay (Biacore T200).



SDS-PAGE

Image 2. Human Fas on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .