Human Fas/TNFRSF6/CD95 Protein, Ultra Low Endotoxin

Cat. No. FAS-HM101-UL

Description

Source	Recombinant Human Fas/TNFRSF6/CD95 Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Gln26-Asn173.
Accession	P25445-1
Molecular Weight	The protein has a predicted MW of 13.7 kDa. Due to glycosylation, the protein migrates to 30-40 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

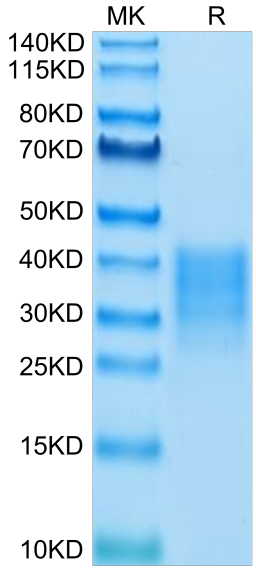
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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).

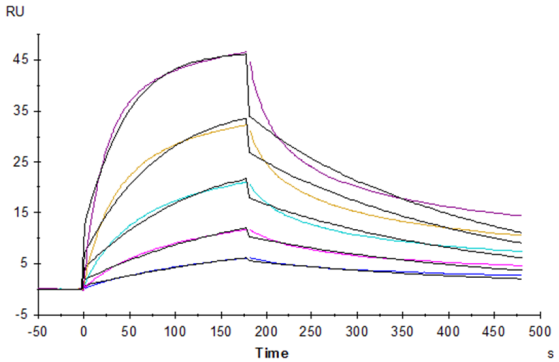
Assay Data

Bis-Tris PAGE



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

SPR Data



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).