

## Recombinant Human Fas/TNFRSF6/CD95 (His Tag)

### 产品信息

产品名称	产品编号	规格
Recombinant Human Fas/TNFRSF6/CD95 (His Tag)	93759ES20	20 µg
	93759ES60	100 µg
	93759ES76	500 µg
	93759ES80	1 mg

### 产品描述

Fas (fibroblast associated; also known as APO-1 or CD95) is a member of the death receptor subfamily of the TNF receptor superfamily and is designated TNFRSF6. The human Fas precursor is 335 aa in length, and contains a 25 aa signal peptide, a 148 aa extracellular domain (ECD), a 17 aa transmembrane sequence, and a 145 aa cytoplasmic region. The ECD possesses three cysteine-rich TNFR repeats, while the cytoplasmic region contains one death domain (DD) that is required for the transduction of apoptotic signals (4). Human Fas ECD shares 55%, 58% 62% 63% and 64% aa sequence identity with mouse, rat, feline, bovine and porcine Fas ECD, respectively. A human Fas isoform of 314 aa that lacks the transmembrane sequence is secreted by resting lymphocytes, while isoforms of 149, 132, 103 and 86 aa that also lack the DD and show substitutions for parts of the TNFR repeats are less prominently expressed. All five isoforms block the extrinsic apoptosis pathway induced by Fas ligand binding. Fas ligand (FasL; also TNFSF6) is a type II transmembrane protein that belongs to the TNF family and is expressed on activated T-cells, NK cells, and cells found in immune privileged sites. Alternatively, FasL is also shed as a soluble form. Engagement of Fas induces oligomerization of preformed Fas trimers. This activated receptor complex recruits the adaptor molecule FADD to form the Death-Inducing Signaling Complex (DISC). Upon activation, caspases in the DISC initiate the apoptotic signaling cascade. Fas is prominent in epithelial cells, hepatocytes, activated mature lymphocytes, virus-transformed lymphocytes and tumor cells. It is an essential mediator in the activation-induced death of T lymphocytes that terminates the immune reaction.

### 产品性质

别名 (Synonyms)	FASLG receptor; CD95; APT1; FAS1; TNFRSF6; FAS; ALPS1A; APO1; FASTM; FasR
Uniprot No.	P25445-1
表达区间及表达系统 (Source)	Recombinant Human Fas/TNFRSF6/CD95 Protein is expressed from HEK293 Cells with His tag at the C-terminal. It contains Gln26-Asn173.
分子量(Molecular Weight)	The protein has a predicted MW of 13.7 kDa. Due to glycosylation, the protein migrates to 30-40 kDa based on Tris-Bis PAGE result.
外观(Physical Appearance)	Sterile Filtered White lyophilized (freeze-dried) powder.
纯度 (Purity)	> 95% as determined by SDS-PAGE
活性 (Activity)	<b>SPR Data:</b> 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.
内毒素 (Endotoxin)	< 1.0 EU per 1 µg of the protein by the LAL method.
制剂 (Formulation)	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
复溶 (Reconstitution)	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

## 运输与保存方法

冰袋运输。-20°C至-80°C保存，一年有效期。

复溶后，-20 至 -80°C，在未开封状态下保存 3-6 个月。复溶后，2-8°C 保存 2-7 天。

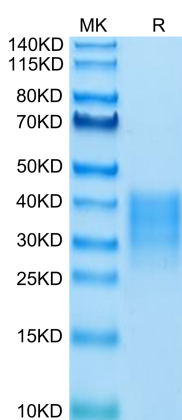
建议第一次使用时分装冻存，避免反复冻融。

## 注意事项

1. 避免反复冻融。
2. 为了您的安全和健康，请穿实验服并戴一次性手套操作。
3. 本产品仅作科研用途！

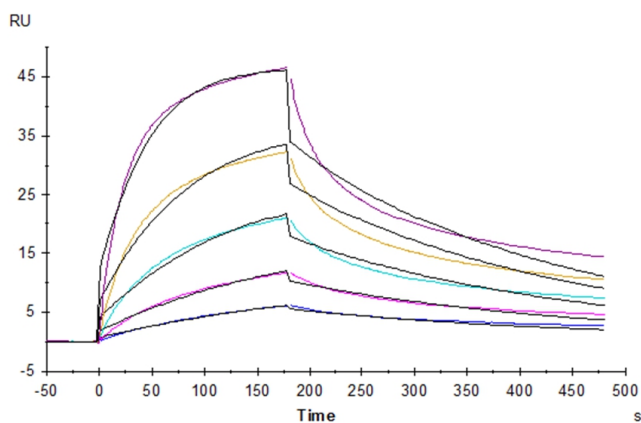
## 产品数据

### Tris-Bis PAGE



Human Fas on Tris-Bis PAGE under reduced conditions. 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).