

## Recombinant Human CD94 (His-Avi Tag)

### 产品信息

产品名称	产品编号	规格
Recombinant Human CD94 (His-Avi Tag)	93771ES25	25 µg
	93771ES60	100 µg
	93771ES76	500 µg
	93771ES80	1 mg

### 产品描述

CD94 is an approximately 25 kDa type 2 transmembrane protein that plays an important role in regulating natural killer (NK) cell activation. Human CD94 consists of a 10 amino acid (aa) cytoplasmic domain, a 21 aa transmembrane segment, and a 148 aa extracellular domain (ECD) with a stem region and one C-type lectin domain. Alternative splicing generates additional isoforms that lack either the stem region, the terminal half of the ECD, or the cytoplasmic and transmembrane regions. CD94 is expressed at varying cell surface density on NK cells during their differentiation and on a subset of CD8+ T cells. It associates into disulfide-linked heterodimers with NKG2A/B, C, or E, and these complexes function as receptors for the nonclassical MHC class I molecule, HLA-E. Ligation of CD94-NKG2A or CD94-NKG2C on NK cells triggers inhibitory or activating signals, respectively.

### 产品性质

别名	CD94; KLRD1; KP43; NK cell receptor
Uniprot No.	Q13241.1
表达区间及表达系统	Recombinant Human CD94 Protein is expressed from HEK293 Cells with His tag and Avi tag at the N-terminal. It contains Ser34-Ile179.
分子量	Approximately 19.8 kDa. Due to glycosylation, the protein migrates to 38-42 kDa based on Tris-Bis PAGE result.
纯度	> 95% as determined by SDS-PAGE and HPLC.
内毒素	< 1.0 EU per 1µg of the protein by the LAL method.
制剂	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
复溶	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。

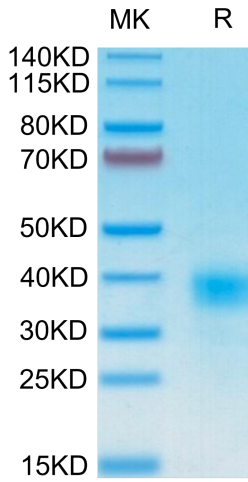
建议第一次使用时分装冻存，避免反复冻融。

### 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！

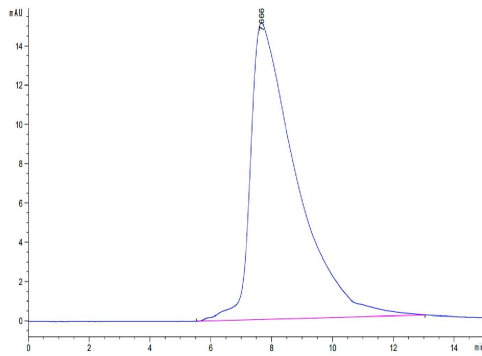
## 产品数据

### Tris-Bis PAGE



Human CD94 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



The purity of Human CD94 is greater than 95% as determined by SEC-HPLC.