

## Recombinant Human CD93/C1q R1 (hFc Tag)

### 产品信息

产品名称	产品编号	规格
Recombinant Human CD93/C1q R1 (hFc Tag)	93770ES25	25 µg
	93770ES60	100 µg
	93770ES76	500 µg
	93770ES80	1 mg

### 产品描述

C1q R1, also known as CD93 and C1q Rp, is an approximately 125 kDa transmembrane glycoprotein that is involved in various aspects of inflammatory reactions. Mature human CD93 consists of a 557 amino acid (aa) extracellular domain (ECD) with one C-type lectin domain, four tandem EGF-like domains, and a mucin-like domain, followed by a 21 aa transmembrane segment and a 51 aa cytoplasmic domain. It is distinct from the 60 kDa Calreticulin which is likewise known as C1q R1. Unlike Calreticulin, and despite its name, C1q R1/CD93 does not appear to bind the complement protein C1q. CD93 is expressed by vascular endothelial cells and by a variety of hematopoietic cells. Various sized fragments of soluble CD93 (50-75 kDa) can be shed from monocytes, neutrophils, and vascular endothelial cells following inflammatory stimulation, leaving a residual stub in the membrane. Cross-linking of cell surface CD93 enhances phagocytosis by monocytes and enhances the uptake of apoptotic cells in vivo. Soluble CD93 promotes the differentiation of monocytes to macrophages, phagocytosis of apoptotic cells, and inflammatory responsiveness to multiple TLR ligands. It is required for plasma cell longevity in the bone marrow and for the resulting extended humoral response.

### 产品性质

别名	C1q/MBL/SPA receptor; C1qR; C1qR(p); C1qRp; CDw93; CD93; C1QR1; MXRA4; ECSM3; dJ737E23.1
Uniprot No.	Q9NPY3
表达区间及表达系统	Recombinant Human CD93/C1q R1 Protein is expressed from HEK293 Cells with hFc tag at the C-terminal. It contains Thr22-Lys580.
分子量	Approximately 85 kDa. Due to glycosylation, the protein migrates to 115-120 kDa based on Tris-Bis PAGE result.
纯度	> 95% as determined by SDS-PAGE and HPLC.
活性	<b>ELISA Data:</b> Immobilized Human IGFBP-7, His Tag at 5µg/ml (100µl/Well) on the plate. Dose response curve for Human CD93, hFc Tag with the EC50 of 2.6µg/ml determined by ELISA.
内毒素	< 1.0 EU per 1µg of the protein by the LAL method.
制剂	Supplied as 0.22µm filtered solution in PBS (pH 7.4). Please dilute to the desired concentration according to the concentration of the solution shown on the product label.
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。

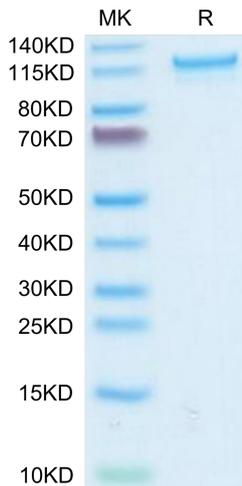
建议第一次使用时分装冻存，避免反复冻融。

## 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！

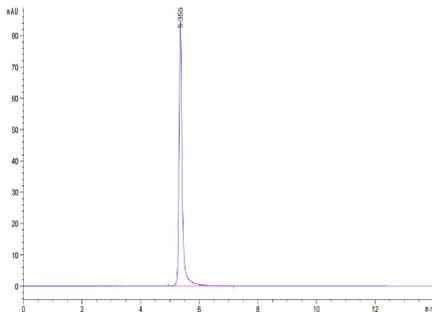
## 产品数据

### Tris-Bis PAGE



Human CD93/C1q R1 on Tris-Bis PAGE under reduced condition.  
The purity is greater than 95%.

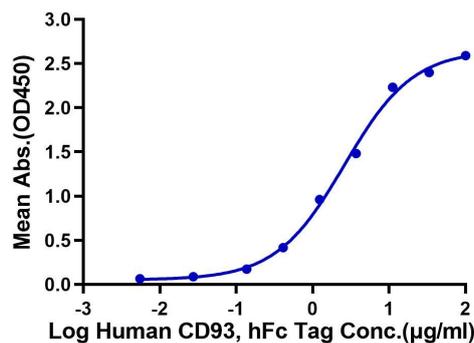
### SEC-HPLC



The purity of Human CD93/C1q R1 is greater than 95% as determined by SEC-HPLC.

### ELISA Data

**Human CD93, hFc Tag ELISA**  
0.5 $\mu$ g Human IGFBP-7, His Tag Per Well



Immobilized Human IGFBP-7, His Tag at 5 $\mu$ g/ml (100 $\mu$ l/Well) on the plate. Dose response curve for Human CD93, hFc Tag with the EC50 of 2.6 $\mu$ g/ml determined by ELISA.