

Recombinant Human Axl (hFc Tag)

产品信息

| 产品名称 | 产品编号 | 规格 |
|---------------------------------|-----------|--------|
| Recombinant Human Axl (hFc Tag) | 93761ES25 | 25 µg |
| | 93761ES60 | 100 µg |
| | 93761ES76 | 500 µg |
| | 93761ES80 | 1 mg |

产品描述

Axl, also known as Ufo and Ark, is a widely expressed 140 kDa glycoprotein in the TAM receptor tyrosine kinase family. TAM family receptors (Dtk/Tyro3, Axl, and Mer) are involved in regulation of the inflammatory response, cell survival and migration, and tumorigenesis. Mature human Axl consists of a 426 aa extracellular domain (ECD) that contains two Ig-like domains and two fibronectin type III domains, a 21 aa transmembrane segment, and a 422 aa cytoplasmic domain that includes the tyrosine kinase domain. Within the ECD, human Axl shares approximately 82% aa sequence identity with mouse and rat Axl. A short alternately spliced form of human Axl has a 9 aa deletion in the extracellular juxtamembrane region. Axl binds the vitamin K-dependent protein Gas6 which triggers tyrosine autophosphorylation of the Axl cytoplasmic domain. Activation of Axl induces a broad range of activities including platelet aggregation and thrombus formation, macrophage and dendritic cell phagocytosis of apoptotic cells, NK cell development from hematopoietic progenitor cells, and in vivo angiogenesis. Axl is highly expressed in solid cancers and promotes in vivo tumorigenesis and tumor cell invasiveness. It contributes to vascular remodeling and inflammatory cell infiltration in response to hypertension and restricted blood flow. It also functions as a cellular entry receptor for Gas6-opsonized lentiviruses. A 70-80 kDa soluble portion of the Axl ECD can be shed by proteolytic cleavage, and this fragment retains the ability to bind Gas6.

产品性质

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| 别名 | Axl; UFO; AXL oncogene; AXL; ARK; JTK11; Tyro7; AI323647; EC 2.7.10; EC 2.7.10.1 |
| Uniprot No. | P30530.1 |
| 表达区间及表达系统 | Recombinant Human Axl Protein is expressed from HEK293 Cells with hFc tag at the C-terminal. It contains Ala26-Pro449. |
| 分子量 | Approximately 72.6 kDa. Due to glycosylation, the protein migrates to 80-110 kDa based on Tris-Bis PAGE result. |
| 纯度 | > 95% as determined by SDS-PAGE and HPLC. |
| 活性 | ELISA Data: Immobilized Human GAS6, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Human Axl, hFc Tag with the EC50 of 7.5ng/ml determined by ELISA. |
| 内毒素 | < 1.0 EU per 1µg of the protein by the LAL method. |
| 制剂 | Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% 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。

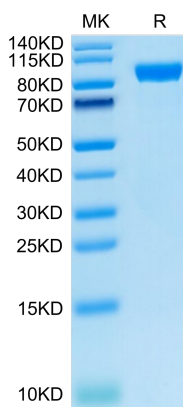
建议第一次使用时分装冻存，避免反复冻融。

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！

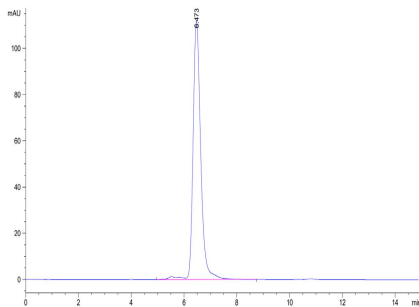
产品数据

Tris-Bis PAGE



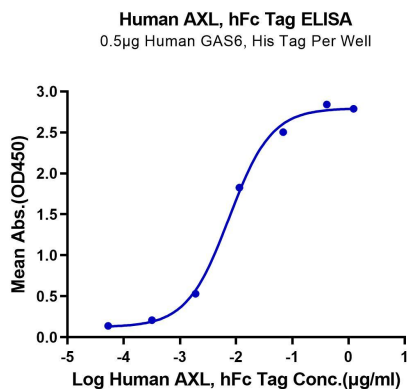
Human Axl on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



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

ELISA Data



Immobilized Human GAS6, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Human Axl, hFc Tag with the EC50 of 7.5ng/ml determined by ELISA.