

## Recombinant Human AXL protein, Fc-tagged

**Cat. No.** AXL-536H    **Lot. No.** (See product label)

### SPECIFICATION

**Product Overview**      Recombinant Human Tyrosine-protein kinase receptor UFO(NP\_001265528.1)(Ala26-Pro440) is expressed in Mammalian expression system, fused with a Fc tag at the C-terminus.

**Species**                      Human

**Source**                        HEK293

**ProteinLength**              Ala26-Pro440

**Description**

Axl, also known as Ufo and Ark, is a widely expressed 140 kDa glycoprotein in the TAM receptor tyrosine kinase family. Axl binds the vitamin K-dependent protein Gas6 which triggers tyrosine autophosphorylation of the Axl cytoplasmic domain. Axl functions in dampening the immune response, regulating cytokine secretion, clearing apoptotic cells and debris, and maintaining cell survival. Axl is highly expressed in solid cancers and promotes in vivo tumorigenesis and tumor cell invasiveness. It also functions as a cellular entry receptor for Gas6-opsonized lentiviruses. Axl contributes to cell survival, migration, invasion, metastasis and chemosensitivity justify further investigation of Axl as novel therapeutic targets in cancer. The receptor tyrosine kinase AXL is thought to play a role in metastasis. The soluble AXL receptor as a therapeutic candidate agent for treatment of metastatic ovarian cancer. GAS6/AXL targeting as an effective strategy for inhibition of metastatic tumor progression in vivo.

**Form**                              Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

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<b>Molecular Mass</b>	90-115kDa, reducing conditions.
<b>Endotoxin</b>	Less than 0.1 ng/g (1 EU/g) as determined by LAL test.
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE.
<b>Storage</b>	<p>Lyophilized protein should be stored at &lt; -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at &lt; -20°C for 3 months.</p>
<b>Reconstitution</b>	<p>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</p> <p>It is not recommended to reconstitute to a concentration less than 100µg/ml.</p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>

## GENE INFORMATION

<b>Gene Name</b>	AXL AXL receptor tyrosine kinase [ Homo sapiens (human) ]
<b>Official Symbol</b>	AXL
<b>Synonyms</b>	ARK; UFO; JTK11; Tyro7
<b>Gene ID</b>	558
<b>mRNA Refseq</b>	NM_001699.6
<b>Protein Refseq</b>	NP_001690.2
<b>MIM</b>	109135

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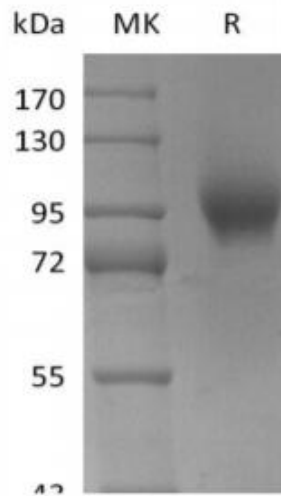
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UniProt ID

P30530

SDS-PAGE



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