

AXL Protein, Human, Recombinant (hFc)

General Information

Synonyms:	UFO;Tyrosine-protein kinase receptor UFO;AXL oncogene
Protein Construction:	Ala26-Pro440
Species:	Human
Expression Host:	HEK293 Cells
Accession:	AAA61243
Molecular Weight:	90-115 KDa (reducing condition)
AA Sequence:	Ala26-Pro440

QC Testing

Biological Activity:	1. Loaded Biotinylated Human GAS6-Avi-His on SA Biosensor, can bind Human AXL-Fc with an affinity constant of 1.02 pM as determined in BLI assay. (Regularly tested) 2. Immobilized Biotinylated Human GAS6-Avi-His at 2µg/ml (100 µl/well)can bind Human AXL-Fc. The ED50 of Human AXL-Fc is 12.54 ng/ml. (Regularly tested)
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/µg (1 EU/µg) as determined by LAL test.
Formulation:	Lyophilized from a solution filtered through a 0.22 µm filter, containing PBS, pH 7.4.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 µg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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