

AXL Protein, Human, Recombinant (aa 33-442, His)

General Information

Synonyms:	Tyro7;JTK11;ARK;UFO;AXL receptor tyrosine kinase
Protein Construction:	Glu33-Ser442
Species:	Human
Expression Host:	HEK293 Cells
Accession:	NP_068713.2
Molecular Weight:	45.4 kDa (Predicted); 65-75 kDa (Due to glycosylation)

QC Testing

Biological Activity:	Immobilized Human AXL, His Tag at 1 µg/ml (100 µl/well) on the plate. Dose response curve for Anti-AXL Antibody, hFc Tag with the EC50 of 10.0 ng/ml determined by ELISA.
Purity:	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in sterile deionized 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, a member of the TAM (Tyro3, Axl, Mer) family, and its inhibitors can specifically break the kinase signaling nodes, allowing advanced patients to regain drug sensitivity with improved therapeutic efficacy. Overexpression and activation of Axl receptor tyrosine kinase have been widely accepted to promote cell proliferation, chemotherapy resistance, invasion, and metastasis in several human cancers, such as lung, breast, and pancreatic cancers.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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