

## MOUSE AXL PROTEIN, HIS TAG

**Cat.#:** 12216

**Product Name:** Mouse AXL Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** Ark;Ufo;Tyro7

**Target:** AXL

**UNIPROT ID:** Q00993

**Description:** Recombinant mouse AXL protein with C-terminal 10xHis tag

**Background:** Predicted to enable several functions, including phosphatidylinositol 3-kinase binding activity; phosphatidylserine binding activity; and virus receptor activity. Involved in negative regulation of apoptotic process and positive regulation of protein kinase B signaling. Acts upstream of or within several processes, including animal organ development; myeloid cell homeostasis; and negative regulation of tumor necrosis factor production. Predicted to be located in several cellular components, including actin cytoskeleton; cell surface; and host cell surface. Predicted to be part of receptor complex. Predicted to be integral component of plasma membrane. Is expressed in several structures, including alimentary system; brain; genitourinary system; respiratory system; and visual system. Human ortholog(s) of this gene implicated in type 2 diabetes mellitus. Orthologous to human AXL (AXL receptor tyrosine kinase). [provided by Alliance of Genome Resources, Apr 2022]

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 47.8 kDa after removal of the signal peptide. The apparent molecular mass of mAXL-His is approximately 55–70 kDa due to glycosylation.

**Molecular Characterization:** Mouse AXL(Ala19–Pro443) 10×His tag

**Purity:** The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.

**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

**Storage & Shipping:** Store at –20°C to –80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at –80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.



Figure 1. Mouse AXL Protein, His Tag on SDS-PAGE under reducing condition.