Active Recombinant Human AXL protein, His-tagged

Cat. No. AXL-535H **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 6His 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.

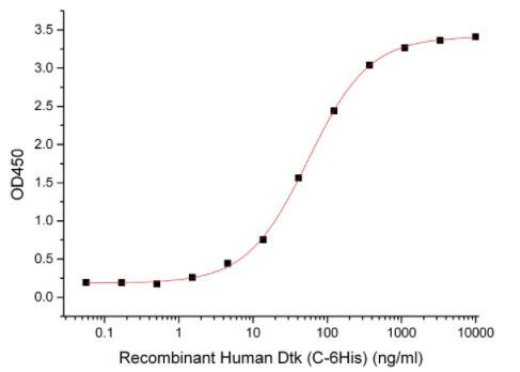
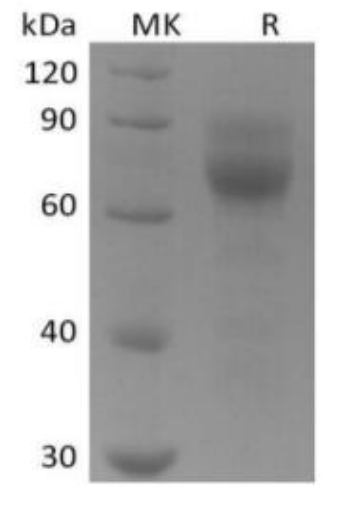
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Bio-activity	Immobilized Human AXL-His at 5μg/ml (100 μl/well) can bind Human GAS6-Fc. The ED50 of Human GAS6-Fc is 55.16 ng/ml.
Molecular Mass	60-90kDa, reducing conditions.
Endotoxin	Less than 0.1 ng/ɡ (1 EU/ɡ) as determined by LAL test.
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

GENE INFORMATION

Gene Name	AXL AXL receptor tyrosine kinase [Homo sapiens (human)]
Official Symbol	AXL
Synonyms	ARK; UFO; JTK11; Tyro7
Gene ID	558
mRNA Refseq	NM_001278599.2

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Protein Refseq	NP_001265528.1
MIM	109135
UniProt ID	P30530
Bioactivity-Elisa	
SDS-PAGE	

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA