

Axl

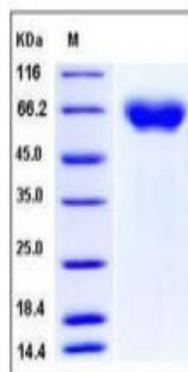
Recombinant Mouse Tyrosine-protein Kinase Receptor UFO / AXL (His Tag)

Catalog No.	CRM541A-His CRM541B-His	Quantity:	50 µg 100 µg
Alternate Names:	Tyrosine-protein kinase receptor UFO, Adhesion-related kinase, Axl receptor tyrosine kinase		
Description:	Axl receptor tyrosine kinase, together with Tyro3 and Mer, constitute the TAM family of receptor tyrosine kinases. In the nervous system, Axl and its ligand Growth-arrest-specific protein 6 (Gas6) are expressed on multiple cell types. Axl functions in dampening the immune response, regulating cytokine secretion, clearing apoptotic cells and debris, and maintaining cell survival. Axl is upregulated in various disease states, such as in the cuprizone toxicity-induced model of demyelination and in multiple sclerosis (MS) lesions, suggesting that it plays a role in disease pathogenesis. Axl expression correlates with poor prognosis in several cancers. Axl mediates multiple oncogenic phenotypes and activation of these RTKs constitutes a mechanism of chemoresistance in a variety of solid tumors. Axl contributes to cell survival, migration, invasion, metastasis and chemosensitivity justify further investigation of Axl as novel therapeutic targets in cancer. The soluble AXL receptor as a therapeutic candidate agent for treatment of metastatic ovarian cancer.		
UniProt ID:	Q00993		
Accession Number:	NP_033491.2		
Protein Construction:	A DNA sequence encoding the extracellular domain (Met 1-Pro 443) of mouse AXL precursor was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.		
Source:	HEK293 Cells		
Formulation:	Lyophilized from sterile PBS, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.		
Molecular Weight:	The rmAXL/Fc is a disulfide-linked homodimer after removal of the signal peptide. The reduced monomer consists of 672 aa with a predicted MW of 74.5 kDa and migrates at 100-110 kDa in SDS-PAGE under reducing conditions, due to glycosylation.		
Purity:	> 90 % as determined by SDS-PAGE.		
Endotoxin Level:	< 1.0 EU per µg protein as determined by the LAL method.		
Biological Activity:	Testing in progress		
Predicted N-terminal:	His 20		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipette the solution up and down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution.		

Storage & Stability:

Stable for up to 1 year from date of receipt at -20°C to -80°C
After reconstitution, store working aliquots at -20°C to -80°C .
Avoid repeated freeze-thaw cycles.

SDS-PAGE



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

