

## Active Recombinant Human AXL (R499C), GST-tagged

Cat. No. AXL-202H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human AXL (R499C) (473-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>ProteinLength</b>	473-end a.a.
<b>Description</b>	AXL, a transforming gene isolated from primary human myeloid leukemia cells, encodes a novel receptor tyrosine kinase which is a member of the TAM (TYRO3/AXL/MER) receptor tyrosine kinase subfamily. AXL represents a unique structure of the extracellular region that juxtaposes IgL and FNIII repeats and Axl transduces signals from the extracellular matrix into the cytoplasm by binding growth factors like vitamin K-dependent protein growth-arrest-specific gene 6. AXL is involved in the stimulation of cell proliferation and can also mediate cell aggregation by homophilic binding.
<b>Form</b>	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
<b>Bio-activity</b>	The specific activity of AXL (R499C) was determined to be 3 nmol /min/mg
<b>Molecular Mass</b>	~76 kDa

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<b>Purity</b>	>85% by densitometry
<b>Applications</b>	Kinase Assay, Western Blot
<b>Storage</b>	Store product at –70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
<b>Concentration</b>	0.1 µg/µl

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">AXL AXL receptor tyrosine kinase [ Homo sapiens ]</a>
<b>Official Symbol</b>	AXL
<b>Synonyms</b>	AXL; AXL receptor tyrosine kinase; tyrosine-protein kinase receptor UFO; JTK11; UFO; AXL oncogene; oncogene AXL; AXL transforming sequence/gene;
<b>Gene ID</b>	<a href="#">558</a>
<b>mRNA Refseq</b>	<a href="#">NM_001699</a>
<b>Protein Refseq</b>	<a href="#">NP_001690</a>
<b>MIM</b>	<a href="#">109135</a>
<b>UniProt ID</b>	<a href="#">P30530</a>
<b>Chromosome Location</b>	19q13.1

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**Function**

ATP binding; nucleotide binding; protein heterodimerization activity; receptor activity; transmembrane receptor protein tyrosine kinase activity;

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