Recombinant Human AXL Receptor Tyrosine Kinase, GST-tagged

Cat. No. AXL-539H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human AXL was expressed by baculovirus in*Sf9 insect cell*susing an N-terminal His tag. MW = 77 kDa.
Species	Human
Source	Sf9 Cells
Description	AXL is a member of the receptor tyrosine kinase family which has oncogenic potential and is implicated in human myeloid leukemia. AXL is a member of a complex signaling network that is involved in the control of cell proliferation and differentiation. Overexpression of AXL cDNA in NIH 3T3 cells induces neoplastic transformation of these cells with the concomitant appearance of a 140kDa AXL tyrosine-phosphorylated protein. Expression of AXL cDNA in the baculovirus system results in the expression of the appropriate recombinant protein that is recognized by antiphosphotyrosine antibodies, confirming that the AXL protein is tyrosine phosphorylated.
Purity	>70%.
Specific Activity	140 U/mg. One unit is defined as the amount of enzyme that will transfer 1 nmol phosphate to Tyr substrate per minute at pH 7.4 and 30ºC. Assay buffer: 50 mM HEPES, pH 7.4, 3 mM MgCl2, 3 mM MnCl2, 1 mM DTT, 3 μM Na-orthovanadate, 0.5 mM ATP, 30 μg/ml Poly (Glu:Tyr)4:1 substrate, and 1 μg/ml recombinant AXL.

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Application	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.
Fromulated In	25 mM Tris-HCl, pH 8.0, 100 mM NaCl, 0.05% Tween-20, 50% glycerol, and 3 mM DTT.
Stability	>6 months at –80°C.

GENE INFORMATION

Gene Name	AXL AXL receptor tyrosine kinase [Homo sapiens]
Synonyms	AXL receptor tyrosine kinase; UFO; JTK11; AXL; oncogene AXL; AXL transforming sequence/gene; EC 2.7.10.1; AXL oncogene
Gene ID	558
mRNA Refseq	NM_001699
Protein Refseq	NP_001690
MIM	109135
UniProt ID	P30530
Chromosome Location	19q13.1
Function	transmembrane receptor protein tyrosine kinase activity; ATP binding; nucleotide binding; protein binding; receptor activity; transferase activity

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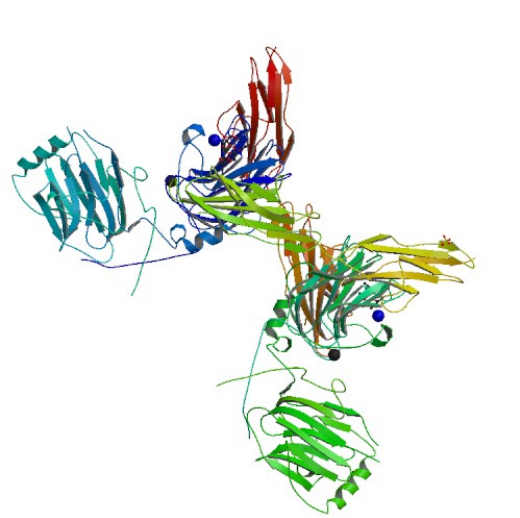
PDB rendering based on 2c5d.



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