

## Recombinant Human ALK, His Tag

Cat. No. ALK-89H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human ALK, internal fragment, amino acids L1066-S1437 (as in GenBank entry NM_004304.3), N-terminal HIS6 fusion protein, expressed in Sf9 insect cells
<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>ProteinLength</b>	1066-1437 a.a.
<b>Description</b>	This gene encodes a receptor tyrosine kinase, which belongs to the insulin receptor superfamily. This protein comprises an extracellular domain, an hydrophobic stretch corresponding to a single pass transmembrane region, and an intracellular kinase domain. It plays an important role in the development of the brain and exerts its effects on specific neurons in the nervous system. This gene has been found to be rearranged, mutated, or amplified in a series of tumours including anaplastic large cell lymphomas, neuroblastoma, and non-small cell lung cancer.
<b>Molecular Mass</b>	47,991 Da
<b>AA Sequence</b>	MDYKDDDDKD YKDDDDKDYK DDDDKDYKDD DDKSGGGSLQ AMQMELQSPE YKLSKLRST IMTDYNPNYC FAGKTSSISD LKEVPRKNIT LIRGLGHGAF GEVYEGQVSG MPNDPSPLQV AVKTLPEVCS EQDELDFLME ALIISKFNHQ NIVRCIGVSL QSLPRFILLE LMAGGDLKSF LRETRPRPSQ PSSLAMLDLL HWARDIACGC QYLEENHFIH RDIAARNCLL TCPGPGRVAK IGDFGMARDI YRASYYRKGK CAMLPVKWMP PEA FMEGIFT SKTDTWSFGV LLWEIFSLGY

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MPYPSKSNQE VLEFVTSGGR MDPPKNCPGP VYRIMTQCWQ HQPEDRPNFA  
 IILERIEYCT QDPDVINTAL PIEYGPLVEE EEKVPVRPKD PEGVPPLLVS  
 QQAKREEERS KLEHHHHHHHHH

**Storage** -80°C. Avoid repeated freeze-thaw cycles!

**Concentration** 0.673 g/μ(Bradford method using BSA as standard protein)

**Storage Buffer** 50 mM HEPES pH 7.5, 100 mM NaCl, 5 mM DTT, 20% glycerol

## GENE INFORMATION

**Gene Name** [ALK anaplastic lymphoma receptor tyrosine kinase \[ Homo sapiens \(human\) \]](#)

**Official Symbol** ALK

**Synonyms** ALK; CD246; NBLST3; anaplastic lymphoma receptor tyrosine kinase; ALK tyrosine kinase receptor; CD246 antigen; mutant anaplastic lymphoma kinase; NP\_004295.2; EC 2.7.10.1

**Gene ID** [238](#)

**mRNA Refseq** [NM\\_004304](#)

**Protein Refseq** [NP\\_004295](#)

**MIM** [105590](#)

**UniProt ID** Q9UM73

**Chromosome Location** 2p23

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**Pathway**

Non-small cell lung cancer

**Function**

ATP binding; NF-kappaB-inducing kinase activity; protein binding

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