

## Recombinant Human ALK Protein, DDK/His-tagged

**Cat. No.** ALK-385H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human ALK(Val19-Ser1038) fused with DDK/His tag at C-terminal was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	19-1038 a.a.
<b>Description</b>	<p>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. The chromosomal rearrangements are the most common genetic alterations in this gene, which result in creation of multiple fusion genes in tumourigenesis, including ALK (chromosome 2)/EML4 (chromosome 2), ALK/RANBP2 (chromosome 2), ALK/ATIC (chromosome 2), ALK/TFG (chromosome 3), ALK/NPM1 (chromosome 5), ALK/SQSTM1 (chromosome 5), ALK/KIF5B (chromosome 10), ALK/CLTC (chromosome 17), ALK/TPM4 (chromosome 19), and ALK/MSN (chromosome X).</p>
<b>Form</b>	1 x PBS, pH7.4, 10% glycerol.

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<b>Molecular Mass</b>	113.1 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method

## GENE INFORMATION

<b>Gene Name</b>	ALK anaplastic lymphoma receptor tyrosine kinase [ Homo sapiens ]
<b>Official Symbol</b>	ALK
<b>Synonyms</b>	ALK; anaplastic lymphoma receptor tyrosine kinase; anaplastic lymphoma kinase (K1); ALK tyrosine kinase receptor; CD246; CD246 antigen; mutant anaplastic lymphoma kinase; NBLST3;
<b>Gene ID</b>	238
<b>mRNA Refseq</b>	NM_004304
<b>Protein Refseq</b>	NP_004295
<b>MIM</b>	105590
<b>UniProt ID</b>	Q9UM73

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