

Recombinant Human ALK, His Tag

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

SPECIFICATION

Product Overview	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
Species	Human
Source	Sf9 Cells
ProteinLength	1066-1437 a.a.
Description	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.
Molecular Mass	47,991 Da
AA Sequence	MDYKDDDDKD YKDDDDKDYK DDDDKDYKDD DDKSGGGSLQ AMQMELQSPE YKLSKLRTST IMTDYNPNYC FAGKTSSISD LKEVPRKNIT LIRGLGHGAF GEVYEGQVSG MPNDPSPLQV AVKTLPEVCS EQDELDFLME ALIISKFNHQ NIVRCIGVSL QSLPRFILLE LMAGGDLKSF LRETRPRPSQ PSSLAMLDLL HWARDIACGC QYLEENHFIH RDIAARNCLL TCPGPGRVAK IGDFGMARDI YRASYYRKGG CAMLPVKWMP PEA FMEGIFT SKTDTWSFGV LLWEIFSLGY

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

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

Concentration 0.673 g/μl (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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Pathway	Non-small cell lung cancer
Function	ATP binding; NF-kappaB-inducing kinase activity; protein binding