

Active Recombinant Human ALK, GST-His Tag

Cat. No. ALK-92H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ALK wt, internal fragment, amino acids L1066-S1437 (as in NCBI/Protein entry NP_004295.2), N-terminal GST-HIS6 fusion protein with a 3C cleavage site, 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.
Bio-activity	Specific activity: 93 pmol/μg×min
Molecular Mass	70,459 Da
AA Sequence	MSPILGYWKI KGLVQPTRLL LEYLEEKYEE HLYERDEGDK WRNKKFELGL EFPNLPYYID GDVKLTQSMA IIRYIADKHN MLGGCPKERA EISMLEGAVL DIRYGVSRIA YSKDFETLKV DFLSKLPEML KMFEDRLCHK TYLNGDHVTH

 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

PDFMLYDALD VVLYMDPMCL DAFPKLVCFK KRIEAIQID KYLKSSKYIA
 WPLQGWQATF GGGDHPPKSD PMGHHHHHHG RDSLEVLFGG PLAMVLQAMQ
 MELQSPEYKL SKLRTSTIMT DYNPNYCFAG KTSSISDLKE VPRKNITLIR
 GLGHGAFGEV YEGQVSGMPN DPSPLQVAVK TLPEVCSEQD ELDLMEALI
 ISKFNHQNIV RCIGVSLQSL PRFILLELMA GGDLSFLRE TRPRPSQPSS
 LAMDLLHVA RDIACGCQYL EENHFIHRDI AARNCLLTCP GPGRVAKIGD
 FGMARDIYRA SYRKGGCAM LPVKWMPPEA FMEGIFTSKT DTWSFGVLLW
 EIFSLGYMPY PSKSNQEVLE FVTSGGRMDP PKNCPGPVYR IMTQCWQHQP
 EDRPNFAIL ERIEYCTQDP DVINTALPIE YGPLVEEEEK VPVRPKDPEG
 VPPLLVSQQA KREEERS

Storage	-80°C. Avoid repeated freeze-thaw cycles!
Concentration	0.301 g/μl (Bradford method using BSA as standard protein)
Storage Buffer	50 mM HEPES pH 7.5, 100 mM NaCl, 5 mM DTT, 15 mM reduced glutathione, 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

 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

Protein Refseq	NP_004295
MIM	105590
UniProt ID	Q9UM73
Chromosome Location	2p23
Pathway	Non-small cell lung cancer
Function	ATP binding; NF-kappaB-inducing kinase activity; protein binding

 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