

Recombinant Human ALK (R1275Q), GST-tagged

Cat. No. ALK-31H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human ALK (R1275Q) (1060-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	1060-end a.a.
Description	ALK or anaplastic lymphoma kinase is a receptor tyrosine kinase that was originally identified as a member of the insulin receptor subfamily that acquires transforming capability when truncated and fused to NPM (nucleophosmin) in the t(2;5) chromosomal rearrangement associated with ALCL. Many chromosomal rearrangements leading to enhanced ALK activity have been described and are implicated in a number of cancer types. In the nervous system, ALK in the presence of ligand appears essential for axonal guidance, whereas in the absence of ligand, ALK expression can lead to developmental neuronal apoptosis.
Form	50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.
Molecular Mass	~90 kDa
Applications	Kinase Assay

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Storage

Store product at -70°C . For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

GENE INFORMATION

Gene Name

ALK anaplastic lymphoma receptor tyrosine kinase [Homo sapiens]

Official Symbol

ALK

Synonyms

ALK; anaplastic lymphoma receptor tyrosine kinase; anaplastic lymphoma kinase (Ki 1); ALK tyrosine kinase receptor; CD246; CD246 antigen; mutant anaplastic lymphoma kinase; NBLST3;

Gene ID

238

mRNA Refseq

NM_004304

Protein Refseq

NP_004295

MIM

105590

UniProt ID

Q9UM73

Chromosome Location

2p23

Function

ATP binding; NF-kappaB-inducing kinase activity; nucleotide binding; receptor activity; transmembrane receptor protein tyrosine kinase activity; transmembrane receptor protein tyrosine kinase activity;

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