

Recombinant Human ALK Protein, GST-tagged

Cat. No. ALK-473H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human ALK partial ORF (NP_004295, 251 a.a. - 350 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
ProteinLength	251 a.a. - 350 a.a.

Description	<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).[provided by RefSeq, Jan 2011]</p>
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Molecular Mass	36.74 kDa
AA Sequence	DSFPFLSHRSRYGLECSFDFPCELEYSPPPLHDLRNQSWSWRRIPSEEASQMDLLDG PGAERSKEMPRGSFLLLNTSADSKHTILSPWMRSSEHCTLAVS
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

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UniProt ID

Q9UM73

12.5% SDS-PAGE Stained with Coomassie Blue.

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