ALK (F1174L) Recombinant Protein | ALK recombinant protein

ALK (F1174L), Active

CATALOG #	HOST	APPLICATIONS
AAA73226	**Sf9 insect cells**	**Kinase Assay**

PRODUCT SYNONYMS

ALK (F1174L); Active; ALK (Ki-1); CD246; NBLST3; TFG/ALK; ALK recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM sodium phosphate, pH7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.
Applicable Applications for ALK recombinant protein	Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree 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.

IMAGES

SDS-PAGE
Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.

Activity
Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for ALK recombinant protein	Recombinant human ALK (F1174L)(1060-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_004304. 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 (1). 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 (2).
Product Categories/Family for ALK recombinant protein	Mutant Kinases; AKT/PKB Pathway; Angiogenesis; Cancer; Cardiovascular Disease; JAK/STAT Pathway; Neurobiology; Ser/Thr Kinases
References	1. Palmer R H, et al: Anaplastic lymphoma kinase: signalling in development and disease. Biochem J. 2009 May 27;420(3):345-61. 2. Allouche M: ALK is a novel dependence receptor: potential implications in development and cancer. Cell Cycle. 2007 Jul 1;6(13):1533-8.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_004304
Molecular Weight	~90kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/alk-f1174l-recombinant-protein-sf9-insect-cells-kinase-assay/73226