

TPM3-ALK recombinant protein

TPM3-ALK Mutant, Active

CATALOG # AAA72946	HOST Sf9 insect cells using baculovirus	APPLICATIONS Kinase Assay
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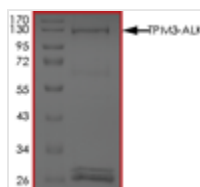
PRODUCT SYNONYMS

TPM3-ALK; TPM3-ALK Mutant; Active; TPM3-ALK recombinant protein

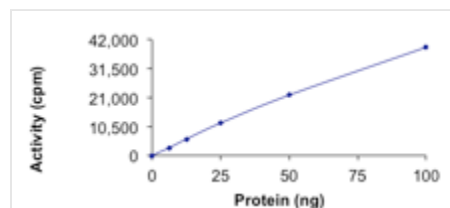
PRODUCT SPECIFICATIONS

Host	Sf9 insect cells using baculovirus
Form/Format	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Sequence Positions	1-258 (TPM3) - 1058-end (ALK)
Sequence Length	7109
Applicable Applications for TPM3-ALK recombinant protein	Kinase Assay
Species	Human
Tag	GST tag
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



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for TPM3-ALK recombinant protein	Description: Recombinant human fusion protein TPM3 (1-258)-ALK (1058-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. Scientific Background: ALK or CD246 is a receptor tyrosine kinase, which belongs to the insulin receptor superfamily. CD246 plays an important role in the development of the brain and exerts its effects on specific neurons in the nervous system. ALK-positive neoplasms represent a distinct entity because the morphology of the tumors is often neither anaplastic nor large cell and the tumors should be referred to as ALK lymphomas (1). CD246 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. CD246 act as a driver of inflammation. TPM3-ALK fusion oncogene sufficiently induces lymphoma/leukemia disorders (2).
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Product Categories/Family for TPM3-ALK recombinant protein	Enzymes; Active Kinase Mutants
References	1. Benharroch, D.et.al: ALK-positive lymphoma: a single disease with a broad spectrum of morphology. Blood 91: 2076-2084, 1998. 2. Giuriato S. et al: Conditional TPM3-ALK and NPM-ALK transgenic mice develop reversible ALK-positive early B-cell lymphoma/leukemia. Blood. 2010 May 20; 115 (20): 4061-70.

NCBI AND UNIPROT INFORMATION

NCBI GI #	499137514
NCBI GeneID	7170
NCBI Accession #	NM_152263.3
NCBI GenBank Nucleotide #	NM_152263
UniProt Accession #	P06753; P12324; Q2QD06; Q5VU58; Q5VU63; Q5VU66; Q5VU71; Q5VU72; Q8TCG3; Q969Q2; Q9NQH8; D3DV71
Molecular Weight	~125 kDa
NCBI Official Full Name	Homo sapiens tropomyosin 3 (TPM3), transcript variant Tpm3.12, mRNA
NCBI Official Synonym Full Names	tropomyosin 3
NCBI Official Symbol	TPM3
NCBI Official Synonym Symbols	TM3; TM5; TRK; CFTD; NEM1; TM-5; TM30; CAPM1; TM30nm; TPMsk3; hscp30; HEL-189; HEL-S-82p; OK/SW-cl.5
NCBI Protein Information	tropomyosin alpha-3 chain
UniProt Protein Name	Tropomyosin alpha-3 chain
UniProt Gene Name	TPM3
UniProt Synonym Gene Names	hTM5

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/tpm3-recombinant-protein-sf9-insect-cells-using-baculovirus-kinase-assay/72946>