

TFG-ALK recombinant protein

TFG-ALK Mutant, Active

CATALOG # AAA72945	HOST Sf9 insect cells using baculovirus	APPLICATIONS Kinase Assay
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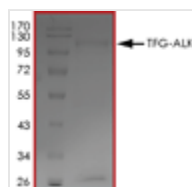
PRODUCT SYNONYMS

TFG-ALK; TFG-ALK Mutant; Active; TFG-ALK recombinant protein

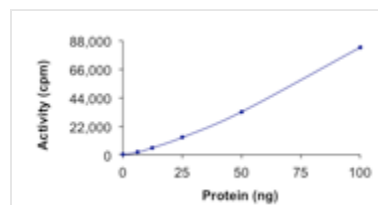
PRODUCT SPECIFICATIONS

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	1-193 (TFG)-1058-end (ALK)
Sequence Length	1746
Applicable Applications for TFG-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 TFG-ALK recombinant protein

Description: Recombinant human fusion TFG (1-193)-ALK (1058-end) protein was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.

Scientific Background: Anaplastic large cell lymphomas are associated with chromosomal aberrations involving the anaplastic lymphoma kinase (ALK) gene, resulting in the expression of novel chimeric ALK proteins with transforming properties. In most of these tumors, the t (2;5) (p23;q35) generates the NPM-ALK fusion gene. Genes other than NPM have been demonstrated to fuse to the ALK gene. Two different ALK rearrangements involving the TRK-fused gene (TFG) in which the same portion of ALK was fused to different length fragments of the 5' TFG region. These two rearrangements encoded chimeric proteins of 85 kd (TFG-ALK (S)) and 97 kd (TFG-ALK (L)), respectively. TFG can provide an alternative to NPM as a fusion partner responsible for activation of the ALK and the pathogenesis of ALCL.

Product Categories/Family for TFG-ALK recombinant protein	Enzymes; Active Kinase Mutants
References	1. Hernández L. et al: TRK-fused gene (TFG) is a new partner of ALK in anaplastic large cell lymphoma producing two structurally different TFG-ALK translocations. Blood. 1999 Nov 1;94 (9):3265-8. 2. Hernández L. et al: Diversity of genomic breakpoints in TFG-ALK translocations in anaplastic large cell lymphomas: identification of a new TFG-ALK (XL) chimeric gene with transforming activity. Am J Pathol. 2002 160 (4):1487-94. 2002.

NCBI AND UNIPROT INFORMATION

NCBI GI #	306774086
NCBI GeneID	10342
NCBI Accession #	NM_001195478.1
NCBI GenBank Nucleotide #	NM_001195478
UniProt Accession #	Q92734; Q15656; Q969I2; D3DN49; G5E9V1; K0J5S8; K0J6K2
Molecular Weight	~115 kDa
NCBI Official Full Name	Homo sapiens TRK-fused gene (TFG), transcript variant 3, mRNA
NCBI Official Synonym Full Names	TRK-fused gene
NCBI Official Symbol	TFG
NCBI Official Synonym Symbols	TF6; HMSNP; SPG57; TRKT3
NCBI Protein Information	protein TFG
UniProt Protein Name	Protein TFG
UniProt Gene Name	TFG

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://www.aaabiotech.com/tfg-recombinant-protein-sf9-kinase-assay/72945>