

TFG-ALK recombinant protein

TFG-ALK (Tex4Aex20), Active

CATALOG # AAA73240	HOST Sf9 insect cells	APPLICATIONS Kinase Assay
------------------------------	---------------------------------	-------------------------------------

PRODUCT SYNONYMS

TFG-ALK; TFG-ALK (Tex4Aex20); Active; TFG: HMSNP; SPG57; TF6 ALK: ALK (Ki-1); CD246; TFG-ALK recombinant protein

PRODUCT SPECIFICATIONS

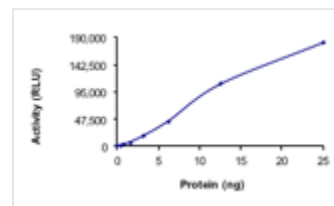
Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, and 25% glycerol.
Applicable Applications for TFG-ALK recombinant protein	Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped 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 Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for TFG-ALK recombinant protein

Recombinant human fusion protein TFG (1-138a.a., exons1-4)-ALK (1058a.a.-end, exons20-29) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number of TFG is NM_001195478 and ALK is NM_004304.

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	Mutant Kinases; AKT/PKB Pathway; Cancer; Cardiovascular Disease; JAK/STAT Pathway; Neurobiology; Ser/Thr Kinases
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 GenBank Nucleotide #	NM_001195478
Molecular Weight	106kDa

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
 Online datasheet: <https://www.aaabiotech.com/tfg-alk-recombinant-protein-sf9-kinase-assay/73240>