

TFG-MET recombinant protein

TFG-MET (Tex5Mex15), Active

CATALOG # AAA73722	HOST Sf9 insect cells	APPLICATIONS Kinase Assay
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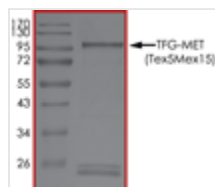
PRODUCT SYNONYMS

TFG-MET; TFG-MET (Tex5Mex15); Active; TFG: HMSNP; SPG57; TF6 MET: HGFR; RCCP2; TFG-MET recombinant protein

PRODUCT SPECIFICATIONS

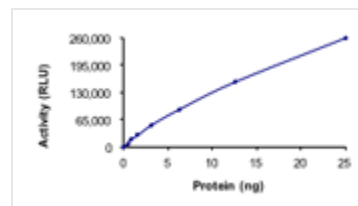
Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, and 25% glycerol.
Applicable Applications for TFG-MET recombinant protein	Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped 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-MET recombinant protein	Recombinant human TFG (1-193a.a., exons1-5)-MET (1010a.a.-end, exons15-21) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number of TFG is NM_001195478 and MET is, NM_000245. MET is a proto-oncogene that encodes a transmembrane growth factor receptor which is a heterodimer of two disulphide linked chains of 50kDa (alpha) and 145kDa (beta). MET is widely expressed in the kidney, brain, lung, skin, and embryonic tissue (1). Hepatocyte growth factor (HGF) binds to MET and activates its tyrosine kinase activity. MET is overexpressed and activated in a variety of human cancers including pancreatic, colon, gastric, cervical and ovarian cancers and has been shown to be involved in tumor cell migration and invasion (2). The fusion protein of TFG-MET has been found in the spindle cell sarcoma (3).
Product Categories/Family for TFG-MET recombinant protein	Mutant Kinases; AKT/PKB Pathway; Cancer; Cardiovascular Disease; JAK/STAT Pathway; Neurobiology; Ser/Thr Kinases

References

1. Giordano, S. et al: Biosynthesis of the protein encoded by the c-met proto-oncogene. *Oncogene*. 1989 Nov;4(11):1383-8.
2. Iyer, A. et al: Structure, tissue-specific expression, and transforming activity of the mouse met protooncogene. *Cell Growth Differ*. 1990 Feb;1(2):87-95.
3. Flucke U, et al: TFG-MET fusion in an infantile spindle cell sarcoma with neural features. *Genes Chromosomes Cancer*. 2017 Sep;56(9):663-667.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #

[NM_001195478](#)

Molecular Weight

102kDa

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/tfg-met-recombinant-protein-sf9-insect-cells-kinase-assay/73722>