# FGFR3 (K650E) Recombinant Protein | FGFR3 recombinant protein

FGFR3 (K650E), Active

| CATALOG # | HOST | APPLICATIONS |
|---|---|---|
| **AAA73551** | **Sf9 insect cells** | **Kinase Assay** |

## PRODUCT SYNONYMS

FGFR3 (K650E); Active; ACH; CEK2; JTK4; CD333; HSFGFR3EX; FGFR3 recombinant protein

## PRODUCT SPECIFICATIONS

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|---|---|
| **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, 25% glycerol. |
| **Applicable Applications for FGFR3 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

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| **Related Product Information for FGFR3 recombinant protein** | Recombinant human FGFR3 (K650E)(397-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_000142.<br>Fibroblast growth factor receptor 3 (FGFR3) is part of a family of fibroblast growth factor receptors that share similar structure and function. FGFR3 plays a role in several important cellular processes, including regulation of cell growth and division, determination of cell fate, formation of blood vessels, wound healing and embryo development (1). FGFR3 is involved in the development and maintenance of bone and brain tissue. Mutations in FGFR3 have been implicated in causing bladder cancer, cancer of white blood cells (multiple myeloma) and cervical cancer (2). |
| **Product Categories/Family for FGFR3 recombinant protein** | Mutant Kinases; AKT/PKB Pathway; Angiogenesis; Cancer; ERK/MAPK Pathway; Receptor Tyrosine Kinases |
| **References** | 1. Chen, L. and Deng, C.X. Roles of FGF signaling in skeletal development and human genetic diseases. Front Biosci. 2005; 1(10):1961-1976.<br>2. Mhawech-Fauceglia, P. et al. 2006. FGFR3 and p53 protein expressions in patients with pTa and pT1 urothelial bladder cancer. Eur. J. Surg. Oncol. 2006; 32(2):231-237. |

## NCBI AND UNIPROT INFORMATION

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| **NCBI GenBank Nucleotide #** | NM_000142 |
| **Molecular Weight** | ~73kDa |

**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/fgfr3-k650e-recombinant-protein-sf9-insect-cells-kinase-assay/73551