

c-KIT (T670E) Recombinant Protein | c-KIT recombinant protein

c-KIT (T670E), Active

CATALOG # AAA73631	HOST Sf9 insect cells	APPLICATIONS Kinase Assay
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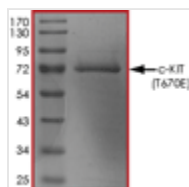
PRODUCT SYNONYMS

c-KIT (T670E); Active; PBT; SCFR; CD117; c-KIT recombinant protein

PRODUCT SPECIFICATIONS

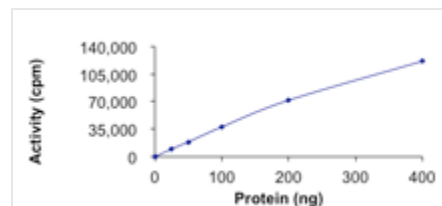
Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for c-KIT recombinant protein	Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry 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

Related Product Information for c-KIT recombinant protein	Recombinant human c-KIT (T670E)(544-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_000222. c-KIT (T670E) is the human homolog of the proto-oncogene c-kit which was first identified as the cellular homolog of the feline sarcoma viral oncogene v-kit. c-KIT (T670E) is a type 3 transmembrane receptor for MGF (mast cell growth factor, also known as stem cell factor). c-KIT (T670E) function in hematopoiesis, melanogenesis, and gametogenesis (1) and mutations in this gene are associated with gastrointestinal stromal tumors, mast cell disease, acute myelogenous leukemia, and piebaldism. c-KIT (T670E) signaling is involved in human skin pigmentation and that this signaling pathway is regulated by sKIT (2). It is also help in regulating primordial germ cell growth.
Product Categories/Family for c-KIT recombinant protein	Mutant Kinases; Cancer; Inflammation; Neurobiology; Receptor Tyrosine Kinases

References

1. Rothschild, G. et.al: A role for Kit receptor signaling in Leydig cell steroidogenesis. Biol. Reprod. 69: 925-932, 2003.
2. Kasamatsu, S. et.al: Production of the soluble form of KIT, s-KIT, abolishes stem cell factor-induced melanogenesis in human melanocytes. J. Invest. Derm. 128: 1763-1772, 2008.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #

[NM_000222](#)

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/c-kit-t670e-recombinant-protein-sf9-insect-cells-kinase-assay/73631>