

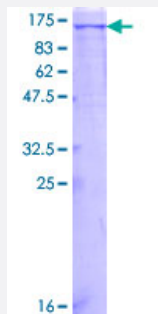
Full-Length

KIT (Human) Recombinant Protein (P01)

Catalog # H00003815-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human KIT full-length ORF (AAH71593.1, 1 a.a. - 976 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MRGARGAWDFLCVLLLLLRVQTGSSQPSVSPGEPSPPSIHPGKSDLIVRVGDEIRLLCTDPGFVK
WTFEILDETENKQNEWITEKAEATNTGKYCTNKHGLSNSIYVVRDPAKLFLVDRSLYGKEDND
TLVRCPLTDPEVTNYSKGCQKPLPKDLRFIPDPKAGIMIKSVKRAYHRLCLHCSVDQEGKSVLS
EKFILKVRPAFKAVPVVSVSKASYLLREGEEFTVTCTIKDVSSSVYSTWKRENSQTKLQEKYNSW
HHGDFNYERQATLTISSARVNDSGVFMCIYANNTFGSANVTTTLEVVDKGFNIFPMINTTVFVNDGE
NVDLIVEYEAFFKPEHQWYMNRTFTDKWEDYPKSENEINIRYVSELHLTRLKGTEGGTYTFLVS
NSDVNAIAFNVVNTKPEILTYDRLVNGMLQCVAAGFPEPTIDWYFCPGTEQRCSASVLPVDVQ
TLNSSGPPFGKLVVQSSIDSSAFKHNGTVECKAYNDVGKTSAYFNFAFKGNKEQIHPHTLFTPLL
IGFVIVAGMMCIIVMILTYKYLQKPMYEVQWKVVEEINGNNYVYIDPTQLPYDHKWEFPRNRLSFGKT
LGAGAFGKVVEATAYGLIKSDAAMTVAVKMLKPSAHLTEREALMSELKVLSYLGNNHNMNIVNLLGA
CTIGGPTLVITEYCCYGDLLNFLRRKRDSFICSKQEDHAEAAALYNLLHSESSCSDSTNEYMDMK
PGVSIVVPTKADKRRSVRIGSYIERDVTPEIMDEDELAIDLEDLLSFSYQVAKGMAFLASKNCIHRD
LAARNILLTHGRITKICDFGLARDIKNDSNYVVKGNARLPVKWMAHESIFNCVYTFESDVWSYGIFL
WELFSLGSSPYGMPVDSKFYKMIKEGFRMLSPEHAPAEMYDIMKTCWDADPLKRPTFKQVQLI
EKQISESTNHIYSNLANCSPNRQKPVVDHNSVRINSVGSTASSSQPLLHDDV

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

136.3

Preparation Method

[in vitro wheat germ expression system](#)

Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — KIT

Entrez GeneID	3815
GeneBank Accession#	BC071593.1
Protein Accession#	AAH71593.1
Gene Name	KIT
Gene Alias	C-Kit, CD117, PBT, SCFR
Gene Description	v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog
Omim ID	164920 172800 273300 601626 606764
Gene Ontology	Hyperlink
Gene Summary	This gene encodes the human homolog of the proto-oncogene c-kit. C-kit was first identified as the cellular homolog of the feline sarcoma viral oncogene v-kit. This protein is a type 3 transmembrane receptor for MGF (mast cell growth factor, also known as stem cell factor). Mutations in this gene are associated with gastrointestinal stromal tumors, mast cell disease, acute myelogenous leukemia, and piebaldism. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

mast/stem cell growth factor receptor|proto-oncogene tyrosine-protein kinase Kit|soluble KIT variant 1

Pathway

- [Acute myeloid leukemia](#)
- [Cytokine-cytokine receptor interaction](#)
- [Endocytosis](#)
- [Hematopoietic cell lineage](#)
- [Melanogenesis](#)
- [Pathways in cancer](#)

Disease

- [Acute Disease](#)
- [Aneuploidy](#)
- [Azoospermia](#)
- [Chronic Disease](#)
- [Constipation](#)
- [Disease Progression](#)
- [Gastrointestinal Stromal Tumors](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Neoplasms](#)
- [Hyperpigmentation](#)
- [Infertility](#)
- [Leukemia](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)

- [Malignant melanoma](#)
- [Mastocytosis](#)
- [Melanoma](#)
- [Neoplasm](#)
- [Neoplasm Recurrence](#)
- [Neoplasm Seeding](#)
- [Oligospermia](#)
- [Osteoporosis](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Skin Neoplasms](#)
- [Splenic Neoplasms](#)
- [Stomach Neoplasms](#)
- [Thyroid Neoplasms](#)
- [Translocation](#)