

Active Recombinant Human KIT Protein, His-tagged

Cat. No. KIT-389H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human Kit protein (a.a. 544-976) was expressed in a Baculovirus infected Sf9 cell expression system with N-terminal His-tag.
Species	Human
Source	Insect Cells
ProteinLength	544-976 a.a.
Description	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.
Form	Liquid
Bio-activity	16 U/mg
Molecular Mass	53.4 kDa,
Purity	≥53%
Unit Definition	One unit is defined as the amount of enzyme that will phosphorylate 1 nmol of

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

tyrosine substrate per minute at pH 7.4 and 30 centigrade.

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Concentration 0.09 mg/ml

Storage buffer 40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 3 mM DTT, 20% glycerol, and 200 mM imidazole.

GENE INFORMATION

Gene Name KIT KIT proto-oncogene receptor tyrosine kinase [Homo sapiens (human)]

Official Symbol KIT

Synonyms PBT; SCFR; C-Kit; CD117

Gene ID 3815

mRNA Refseq NM_000222

Protein Refseq NP_000213.1

MIM 164920

UniProt ID P10721

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA