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Datasheet for ABIN7504933
KIT Protein (AA 26-205) (His tag)

Overview

Quantity:	100 µg
Target:	KIT
Protein Characteristics:	AA 26-205
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This KIT protein is labelled with His tag.

Product Details

Sequence:	Gln26-Arg205
Characteristics:	A DNA sequence encoding the Human KIT/SCFR (P10721-1) (Gln26-Arg205) was expressed with a polyhistidine tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	KIT
Alternative Name:	KIT (KIT Products)
Background:	Abbreviation: KIT,SCFR Target Synonym: C Kit,c-Kit,c-Kit Ligand,CD117,Kit,Kit Ligand,KIT oncogene,KIT proto oncogene receptor tyrosine kinase,KIT,Mast cell growth factor receptor,Mast/stem cell growth factor receptor Kit,MGF,p145 c-kit,PBT,Piebald trait protein,Proto oncogene c Kit,Proto oncogene

Target Details

tyrosine protein kinase Kit,Proto-oncogene c-Kit,SCF Receptor,SCFR,soluble KIT variant 1,Steel Factor Receptor,Stem cell factor receptor,tyrosine protein kinase Kit,Tyrosine-protein kinase Kit,v kit Hardy Zuckerman 4 feline sarcoma viral oncogene homolog,v kit Hardy Zuckerman 4 feline sarcoma viral oncogene like protein,v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog

Background: 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.

Molecular Weight: Calculated MW: 20.1 kDa
 Observed MW: 22.4 kDa

UniProt: [P10721-1](#)

Pathways: [RTK Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Sensory Perception of Sound](#), [Stem Cell Maintenance](#), [Production of Molecular Mediator of Immune Response](#), [Regulation of long-term Neuronal Synaptic Plasticity](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4.
 Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 12 months