32-6985: KIT Human

Alternative Name : Mast/stem cell growth factor receptor Kit, SCFR, Piebald trait protein, PBT, Proto-oncogene c-Kit, Tyrosine-protein kinase Kit, p145 c-kit, v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog, CD117.

Description

Source: Sf9, Baculovirus.
Sterile Filtered colorless solution.
KIT, also known as KIT Proto-Oncogene Receptor Tyrosine, is a cytokine receptor which is expressed not only in hematopoietic stem cells but likewise in other cell types. KIT binds to receptor tyrosine kinase type III, which is a stem cell factor, also named a "rigid factor" or "c-kit ligand". Once this receptor binds to stem cell factor (SCF), it forms a dimer which activates intrinsic tyrosine kinase activity, which sequentially phosphorylates & activates signaling molecules which breed signals in cells. This receptor protects vascular smooth muscle cells from apoptosis in addition to restoring cardiac function after myocardial infarction.
KIT produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 507 amino acids (26-524 a.a.) and having a molecular mass of 57.1kDa (Molecular size on SDS-PAGE will appear at approximately 50-70kDa).KIT is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	2 μg / 10 μg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	KIT protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks.Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	QPSVSPGEPS PPSIHPGKSD LIVRVGDEIR LLCTDPGFVK WTFEILDETN ENKQNEWITE KAEATNTGKY TCTNKHGLSN SIYVFVRDPA KLFLVDRSLY GKEDNDTLVR CPLTDPEVTN YSLKGCQGKP LPKDLRFIPD PKAGIMIKSV KRAYHRLCLH CSVDQEGKSV LSEKFILKVR PAFKAVPVVS VSKASYLLRE GEEFTVTCTI KDVSSSVYST WKRENSQTKL QEKYNSWHHG DFNYERQATL TISSARVNDS GVFMCYANNT FGSANVTTTL EVVDKGFINI FPMINTTVFV NDGENVDLIV EYEAFPKPEH QQWIYMNRTF TDKWEDYPKS ENESNIRYVS ELHLTRLKGT EGGTYTFLVS NSDVNAAIAF NVYVNTKPEI LTYDRLVNGM LQCVAAGFPE PTIDWYFCPG TEQRCSASVL PVDVQTLNSS GPPFGKLVVQ SSIDSSAFKH NGTVECKAYN DVGKTSAYFN FAFKGNNKEQ IHPHTLFTPL EHHHHHH.