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Product Datasheet

Recombinant Rat SCF (C-6His) EBT-EPT253

Article Name	Recombinant Rat SCF (C-6His)
Biozol Catalog Number	EBT-EPT253
Supplier Catalog Number	EPT253
Alternative Catalog Number	EBT-EPT253-10
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Rat Kit Ligand is produced by our Mammalian expression system and the target gene encoding Gln26-Ala189 is expressed with a 6His tag at the C-terminus....
Molecular Weight	Molecular weight: 19.4 KDa. Apparent molecular weight: 23-40 KDa, reducing conditions
UniProt	P21581
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes	Redissolve: Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.. Endotoxin: Less than 0.1 ng/µg (1 EU/µg) as determined by LAL test. Background: SCF/C-kit ligand is the ligand of the tyrosine-kinase receptor encoded by the KIT locus. Plays an essential role in the regulation of cell survival and proliferation, hematopoiesis, stem cell maintenance, gametogenesis, mast cell development, migration and function, and in melanogenesis. KITLG/SCF binding can activate several signaling pathways. Promotes phosphorylation of PIK3R1, the regulatory subunit of phosphatidylinositol 3-kinase, and subsequent activation of the kinase AKT1. In phase I/II clinical studies administration of the combination of SCF and G-CSF resulted in a two- to threefold increase in cells that express the CD34 antigen compared with G-CSF alone
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