Bioactive

Kitlg (Rat) Recombinant Protein

Catalog # P9180 Size 2 x 10 ug

Specification

Product Description	Rat Kitlg partial recombinant protein expressed in *Escherichia coli*.
Sequence	MQEICRNPVTDNVKDITKLVANLPNDYMITLNYVAGMDVLPSHCWLRDMVTHLSVSLTTLLDKFSNI SEGLSNYSIIDKLGKIVDDLVACMEENAPKNVKESLKKPETRNFTPEEFFSIFNRSIDAFKDFMVAS DTSDCVLSSTLGPEKDSRVSVTKPFMLPPVA
Host	Escherichia coli
Theoretical MW (kDa)	18.4
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Purification	chromatographic
Purity	> 98% as determined by (a) SEC-HPLC.(b) SDS-PAGE.
Activity	ED_{50} < 10 ng/mL, determined by the dose-dependant stimulation of Human TF-1 cells, correspondin g to a specific activity of 1 x 10^5 IU/mg.
Storage Buffer	Protein (1 mg/mL) was lyophilized from a solution containing 0.02% $NaHCO_3$. Reconstitute the lyophi lized powder in ddH_2O to 100 ug/mL.
Storage Instruction	Lyophilized protein at room temperature for 3 weeks, should be stored at -20°C. Protein aliquots at 4 °C for 2-7 days and should be stored at -20°C to -80°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid repeated freeze/thaw cycles.

Applications

- Functional Study

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Gene Info — Kitlg

Entrez GeneID	60427
Protein Accession#	P21581
Gene Name	Kitlg
Gene Alias	Kitl, Mgf, SCF
Gene Description	KIT ligand
Gene Ontology	Hyperlink
Other Designations	kit ligand|mast cell growth factor|steel factor/kit ligand|stem cell factor KL-1

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