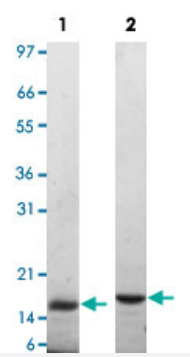
Bioactive

Kitlg (Rat) Recombinant Protein

Catalog # P4851 Size 10 ug

Applications



Lane 1: non-reducing conditions
Lane 2: reducing conditions

Result of activity analysis

Result of activity analysis

Serial dilutions of rat Kitlg, starting at 250 ng/mL, were added to TF-1 cells growing in GM-SCF free media. Cell proliferation was measure after 63 hours and the linear portion of the curve was us used to calculate the ED50.

Specification

Product Description	Rat Kitlg 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

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Endotoxin Level	< 0.1 EU/ug
Activity	The activity is determined by the ability to induce proliferation of TF-1 cells and is 10-15 ng/mL.
Quality Control Testing	1 ug/lane in 4-20% Tris-Glycine gel stained with Coomassie Blue Lane 1: non-reducing conditions Lane 2: reducing conditions
Storage Buffer	No additive
Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with sterilized 10 mM acetic acid, store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis Serial dilutions of rat Kitlg, starting at 250 ng/mL, were added to TF-1 cells growing in GM-SCF free media. Cell proliferation was measure after 63 hours and the linear portion of the curve was us used t o calculate the ED50.

Applications

- Functional Study
- SDS-PAGE

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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