Bioactive Sm Size

Kitl (Mouse) Recombinant Protein

Catalog # P5931 Size 100 ug, 50 ug, 10 ug

Specification

Product Description	Mouse Kitl (182 a.a.) partial recombinant protein with His tag expressed in Barley grain (Hordeum vulgare). This protein is endotoxins-free and thus optimal to use in stem cell cultures.
Host	Plants
Theoretical MW (kDa)	20.6
Reactivity	Mouse
Form	Lyophilized
Preparation Method	*Hordeum vulgare (barley)* expression system
Purification	Chromatography
Purity	> 95% by SDS-PAGE
Endotoxin Level	Endotoxin level is less than 0.005ng per ug (0.05EU/ug) as measured by LAL assay.
Activity	Activity has been measured by cell-based proliferation assay using TF-1 cells. The ED_{50} is typically < 12 ng/mL.
Storage Buffer	Lyophilized from PBS, pH 7.2
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis

Applications

- Functional Study
- Western Blot (Recombinant protein)

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- SDS-PAGE

Gene Info — Kitl

Entrez GeneID	17311
Gene Name	Kitl
Gene Alias	Clo, Con, Gb, Kitlg, Mgf, SCF, SF, SLF, Sl, Steel, contrasted
Gene Description	kit ligand
Gene Ontology	Hyperlink
Other Designations	OTTMUSP00000022753|Steel factor|cloud gray|grizzle-belly|mast cell growth factor|stem cell factor

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