

Recombinant Mouse KITL Protein, Biotinylated

Cat. No. KITL-524M Lot. No. (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Mouse KITL protein was tag free expressed.
Species	Mouse
ProteinLength	273
Description	Enables cytokine activity and stem cell factor receptor binding activity. Acts upstream of or within several processes, including positive regulation of cell differentiation; positive regulation of cell population proliferation; and positive regulation of protein phosphorylation. Located in extracellular space and plasma membrane. Is integral component of membrane. Is expressed in several structures, including alimentary system; central nervous system; genitourinary system; integumental system; and sensory organ. Human ortholog(s) of this gene implicated in autosomal dominant nonsyndromic deafness 69 and familial progressive hyperpigmentation with or without hypopigmentation. Orthologous to human KITLG (KIT ligand).
Form	Lyophilized
AA Sequence	MKKTQTIWITCIYLQLLLLFNPLVKTKEICGNPVTDNVKDITKLVANLPNDYMITLNYVAG MDVLP SHCWLRDMVIQLSLSLTTLLDKFSNISEGLSNYSIIDKLGKIVDDL VLCMEENA PKNIKESPKRPETRSFTPEEFFSIFNRSIDAFKDFMVASDTSDCVLSSTLGPEKDSRV SVTKPFMLPPVAASSLRNDSSSSNRKAAKAPEDSGLQWTAMALPALISLVIGFAFGA LYWKKKQSSLTRAVENIQINEEDNEISMLQQKEREFEV
Purity	> 98%

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Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.
Conjugation	Biotin
GENE INFORMATION	
Gene Name	Kitl kit ligand [Mus musculus (house mouse)]
Official Symbol	KITL
Synonyms	Kitl; kit ligand; Gb; SF; Sl; Clo; Con; Mgf; SCF; SLF; blz; Kitlg; contrasted; kit ligand; C-kit ligand; Steel factor; cloud gray; grizzle-belly; hematopoietic growth factor KL; mast cell growth factor; stem cell factor; EC 3.2.1.31
Gene ID	17311
mRNA Refseq	NM_013598

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Protein Refseq NP_038626

UniProt ID P20826

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