

# Product Datasheet

## Recombinant Mouse SCF/c-kit Ligand Protein NBP2-35150-100ug

Unit Size: 100 ug

Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.

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**NBP2-35150-100ug**

## Recombinant Mouse SCF/c-kit Ligand Protein

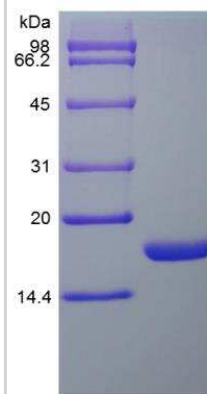
Product Information	
Unit Size	100 ug
Concentration	Lyoph
Storage	Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.
Preservative	No Preservative
Reconstitution Instructions	Recommended to centrifuge prior to opening. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0mg/mL.
Purity	> 97 % pure by SDS-PAGE and HPLC
Buffer	Lyophilized from a 0.2 um filtered concentrated solution in PBS, pH 7.4.
Target Molecular Weight	18.4 kDa

Product Description	
Description	A single non-glycosylated polypeptide chain containing 165 amino acids corresponding to SCF/c-kit Ligand <b>Source:</b> <i>E. coli</i>  <b>Uniprot ID:</b> <i>P20826</i>  <b>Amino Acid Sequence:</b> <i>MKEICGNPVT DNVKDITKLV ANLPNDYMIT LNYVAGMDVL PSHCWLRDMV IQLSLSLTTL LDKFSNISEG LSNYSIIDKL GKIVDDL VLC MEENAPKNIK ESPKRPETRS FTPEEFFSIF NRSIDAFKDF MVASDTSDCV LSSTLGPEKD SRVSVTKPFM LPPVA</i>
Gene ID	4254
Gene Symbol	KITLG
Species	Mouse
Details of Functionality	SCF/c-kit Ligand protein is fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using human TF-1 cells is less than 10 ng/ml, corresponding to a specific activity of > 1.0 x 10 <sup>5</sup> IU/mg.
Endotoxin Note	Less than 1 EU/ug of SCF/c-kit Ligand as determined by LAL method.

Product Application Details	
Applications	Flow Cytometry, SDS-Page, Bioactivity
Recommended Dilutions	Flow Cytometry, SDS-Page, Bioactivity
Application Notes	Use in Flow reported in scientific literature (PMID:35874724).

## Images

SDS-Page: Recombinant Mouse SCF/c-kit Ligand Protein [NBP2-35150]  
- SDS-PAGE of NBP2-35150



## Publications

Xie M, Zhang M, Dai M et al. IL-18/IL-18R Signaling Is Dispensable for ILC Development But Constrains the Growth of ILCP/ILCs *Frontiers in immunology* 2022-07-08 [PMID: 35874724] (FLOW, Mouse)



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### **Products Related to NBP2-35150-100ug**

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NBP2-35256-100ug	Recombinant Human SCF/c-kit Ligand Protein
210-TA-005	TNF-alpha [Unconjugated]
255-SC-010	SCF/c-kit Ligand [Unconjugated]
M6000B-1	IL-6 [HRP]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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