

## Active Recombinant Rhesus KIT protein(Met1-Thr520), His-tagged

**Cat. No.** KIT-2409R    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rhesus KIT (NP_001253024.1) (Met1-Thr520) was expressed in HEK293 with a polyhistidine tag at the C-terminus.                                                                                    |
| <b>Species</b>          | Rhesus macaque                                                                                                                                                                                               |
| <b>Source</b>           | HEK293                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | Met1-Thr520                                                                                                                                                                                                  |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.                                                               |
| <b>Bio-activity</b>     | Immobilized Recombinant Rhesus c-Kit Protein (ECD, His Tag) at 2µg/mL (100µL/well) can bind Recombinant Human SCF / C-kit ligand Protein (aa 1-189, His & AVI Tag), Biotinylated, the EC50 is 1.3-4.6 ng/mL. |
| <b>Molecular Mass</b>   | The recombinant Rhesus KIT consists of 506 amino acids and predicts a molecular mass of 57 kDa. It migRates as an approximately 93.3 kDa band in SDS-PAGE under reducing conditions.                         |
| <b>Endotoxin</b>        | < 1.0 EU per µg protein as determined by the LAL method.                                                                                                                                                     |
| <b>Purity</b>           | ≥ 95 % as determined by SDS-PAGE. ≥ 90 % as determined by SEC-HPLC.                                                                                                                                          |

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**Storage**

Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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