

RPES8326

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**Product Information**

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|---------------------|----------|-------------------------|-----------|-------------------|--------|
| <b>Product SKU:</b> | RPES8326 | <b>Expression Host:</b> | Mammalian | <b>Size:</b>      | 20µg   |
| <b>Tag:</b>         | C-His    | <b>Reactivity:</b>      | Human     | <b>Accession:</b> | P10721 |

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**Additional Information**

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| <b>Calculated MW:</b> | 54.7 kDa     | <b>Observed MW:</b> | 80-100 kDa |
| <b>Sequence:</b>      | Gln26-Pro524 |                     |            |

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**Protein Information**

**Background:** This gene encodes the human homolog of the proto-oncogene c-kit. C-kit was first identified as the cellular homolog of the feline sarcoma viral oncogene v-kit. This protein is a type 3 transmembrane receptor for MGF (mast cell growth factor, also known as stem cell factor). Mutations in this gene are associated with gastrointestinal stromal tumors, mast cell disease, acute myelogenous leukemia, and piebaldism. Multiple transcript variants encoding different isoforms have been found for this gene.

**Synonyms:** C Kit, c-Kit, c-Kit Ligand, CD117, Kit, Kit Ligand, KIT oncogene, KIT proto oncogene receptor tyrosine kinase, KIT, Mast cell growth factor receptor, Mast/stem cell growth factor receptor Kit, MGF, p145 c-kit, PBT, Piebald trait protein, Proto oncogene c Kit, Proto oncogene tyrosine protein kinase Kit, Proto-oncogene c-Kit, SCF Receptor, SCFR, soluble KIT variant 1, Steel Factor Receptor, Stem cell factor receptor, tyrosine protein kinase Kit, Tyrosine-protein kinase Kit, v kit Hardy Zuckerman 4 feline sarcoma viral oncogene homolog, v kit Hardy Zuckerman 4 feline sarcoma viral oncogene like protein, v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog

**Endotoxin:** < 1.0 EU/mg of the protein as determined by the LAL method

**Formulation:** Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.

**Purity:** > 90% as determined by reducing SDS-PAGE.

**Bio-Activity:** Not validated for activity

**Storage:**

Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.