

PK-1/PROK1 Protein, Human, Recombinant

General Information

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| Synonyms: | Endocrine-gland-derived vascular endothelial growth factor (EG-VEGF);PROK1;Mambakine; Prokineticin-1 |
| Protein Construction: | 20-105 aa |
| Species: | Human |
| Expression Host: | E. coli |
| Accession: | P58294 |
| Molecular Weight: | 9.7 kDa (Predicted) |
| AA Sequence: | AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCPCLPNLLCSRFPDG RYRCSMDLKNINF |

QC Testing

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| Biological Activity: | Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using bovine EJG cells is less than 2.0 µg/ml, corresponding to a specific activity of > 500 IU/mg. |
| Purity: | >98% as determined by SDS-PAGE. |
| Endotoxin: | < 1.0 EU/µg of the protein as determined by the LAL method. |
| Formulation: | Lyophilized from a 0.2 µm filtered PBS, pH 7.4, 0.02 % Tween-20 |

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 µg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481