

Active Recombinant Human PROK1 protein, His-GST-tagged

Cat. No. PROK1-592H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human PROK1 protein(P58294)(1~105 aa), fused with N-terminal His tag and GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-105 aa
Form	Lyophilized from sterile 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Bio-activity	Endothelial gland-derived VEGF (EG-VEGF) is an angiogenic protein that is structurally unrelated to VEGF. It is expressed in steroidogenic tissues such as adrenal gland, ovary, testis, and placenta. Like VEGF it can induce fenestrae in endothelial cells. To test the effect of EG-VEGF on cell proliferation of ECV-304 endothelium cell line, cells were seeded into triplicate wells of 96-well plates at a density of 5,000 cells/well and allowed to attach overnight, then the medium was replaced with serum-free standard DMEM prior to the addition of various concentrations of EG-VEGF. After incubated for 72h, cells were observed by inverted microscope and cell proliferation was measured by Cell Counting Kit-8 (CCK-8). Briefly, 10μ of CCK-8 solution was added to each well of the plate, then measure the absorbance at 450nm using a microplate reader after incubating the plate for 1-4 hours at 37°C.

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Molecular Mass	41.7kDa
Endotoxin	<1.0EU per 1µg (determined by the LAL method).
Purity	> 90% as determined by SDS-PAGE.
Storage	Avoid repeated freeze/thaw cycles. Store at -20°C for 12 months. Aliquot and store at -80°C for 12 months.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0mg/mL. Do not vortex.

GENE INFORMATION

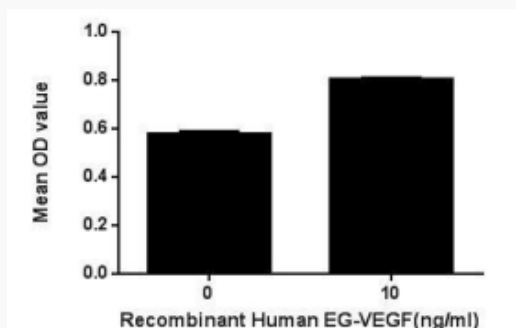
Gene Name	PROK1 prokineticin 1 [Homo sapiens]
Official Symbol	PROK1
Synonyms	PROK1; prokineticin 1; prokineticin-1; black mamba toxin related protein; EGVEGF; mambakine; PK1; PRK1; EG-VEGF; black mamba toxin-related protein; endocrine-gland-derived vascular endothelial growth factor;
Gene ID	84432
mRNA Refseq	NM_032414
Protein Refseq	NP_115790
MIM	606233
UniProt ID	P58294

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Activity



SDS-PAGE

