

# Active Recombinant Mouse Prokineticin 1

**Cat. No.** Prok1-396M    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant mouse Prok1 protein was expressed in Murine myeloma cell line, NS0-derived. Ala20-Phe105.
<b>Species</b>	Mouse
<b>Source</b>	Mammalian Cells
<b>Protein Length</b>	20-105 a.a.
<b>Description</b>	Prok1 is a member of the prokineticin family of secreted proteins whose distinguishing structural motif involves 10 cysteines that form five intrachain disulfide bonds, creating a "colipase fold". The mature region in mouse is 93% and 87% identical to the mature regions in rat and human, respectively.
<b>Form</b>	Supplied as a 0.2 µm filtered solution in NaH <sub>2</sub> PO <sub>4</sub> and NaCl with BSA as a carrier protein.
<b>N-terminal Sequence</b>	Ala20
<b>Molecular Weight</b>	9.6 kDa
<b>Activity</b>	Measured in a cell proliferation assay using EJG bovine endothelial cells (derived from adrenal tissue). The ED <sub>50</sub> for this effect is typically 1-4 µg/mL.
<b>Endotoxin Level</b>	<1.0 EU per 1 µg of the protein by the LAL method.

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**Purity** >97%,by SDS-PAGE under reducing conditions and visualized by silver stain.

**Storage** Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 1 month, 2 to 8°C under sterile conditions after reconstitution. 3 months, -20 to -70°C under sterile conditions after reconstitution.

## GENE INFORMATION

**Gene Name** Prok1prokineticin 1 [ Mus musculus ]

**Official Symbol** Prok1

**Synonyms** Prok1; prokineticin 1; EG-VEGF; prokineticin-1;endocrine-gland-derived vascular endothelial growth factor; Pk1

**Gene ID** 246691

**mRNA Refseq** NM\_001044382

**Protein Refseq** NP\_001037847

**UniProt ID** O14A28

**Chromosome Location** 3

**Pathway** G alpha (q)signaling; GPCR downstream signaling; Signal Transduction; Signaling by GPCR

**Function** Growth factoractivity; G-protein coupled receptor binding

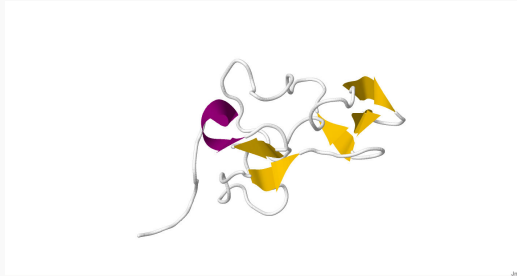
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