Active Recombinant Mouse Prokineticin 1

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

SPECIFICATION

Product Overview	Recombinant mouse Prok1protein was expressed in Murine myeloma cell line, NS0-derived. Ala20-Phe105.
Species	Mouse
Source	Mammalian Cells
ProteinLength	20-105 a.a.
Description	Prok1 is a member ofthe prokineticin family of secreted proteins whose distinguishing structuralmotif involves 10 cysteines that form five intrachain disulfide bonds,creating a "colipase fold". The mature region in mouse is 93% and 87% aaidentical to the mature regions in rat and human, respectively.
Form	Supplied as a 0.2 μmfiltered solution in NaH2PO4 and NaCl with BSA as acarrier protein.
N-terminal Sequence	Ala20
Molecular Weight	9.6 kDa
Activity	Measured in a cellproliferation assay using EJG bovine endothelial cells (derived from adrenaltissue). The ED50 for this effect is typically 1-4 μg/mL.
Endotoxin Level	<1.0 EU per 1 μgof the protein by the LAL method.

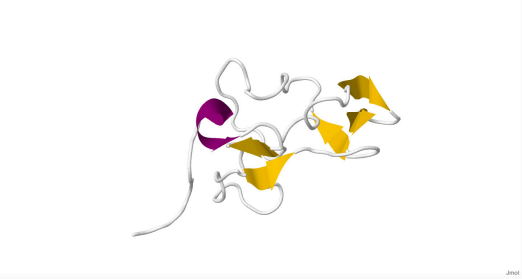
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Purity	>97%,by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Use amanual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 1month, 2 to 8°C under sterile conditions 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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