Active Recombinant Mouse Rln1

Cat. No. Rln1-656M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Rln1 (Accession # NP_035402) Arg23-Arg54, fused with an N-terminal Met (B chain) & Glu161-Cys185 (A chain), was produced in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Arg23-Arg54
Predicted N Terminal	Met (B chain) & Glu161 (A chain)
Form	Lyophilized from a 0.2 μm filtered solution in PBS with BSA as a carrier protein.
Bio-activity	Measured by its ability to induce cAMP accumulation in THP-1 human acute monocytic leukemia cells. Parsell, D.A. et al. (1996) J. Biol. Chem. 271:27936.The ED50 for this effect is typically 2 - 8 ng/mL.
Molecular Mass	Recombinant Mouse Rln1, Met-tagged has a calculated MW of 3.9 kDa (B chain) & 2.7 kDa (A chain). In SDS-PAGE migrates as 4 & 3 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4ºC); After reconstitution under sterile conditions for 3 months (-70ºC).

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Reconstitution	Reconstitute at 250 g/mL in PBS containing at least 0.1% human or bovine serum albumin.

GENE INFORMATION

Gene Name	Rln1 relaxin 1 [Mus musculus]
Official Symbol	Rln1
Synonyms	RLN1; relaxin 1; prorelaxin 1; Rln; rlx;
Gene ID	19773
mRNA Refseq	NM_011272
Protein Refseq	NP_035402
MIM	

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