

Recombinant Human RLN2, His-tagged

Cat. No. RLN2-7081H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human RLN2 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	25-185aa
Description	Prorelaxin H2, also known as RLN2, belongs to the insulin gene superfamily. This family is produced by the ovary, and targets the mammalian reproductive system to ripen the cervix, elongate the pubic symphysis and inhibit uterine contraction. It may have additional roles in enhancing sperm motility, regulating blood pressure, controlling heart rate and releasing oxytocin and vasopressin. RLN2 is a peptide hormone associated with a number of therapeutically relevant physiological effects, including regulation of collagen metabolism and multiple vascular control pathways. RLN1 and RLN2 share high sequence homology.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea,10% glycerol
Molecular Mass	20.7 kDa (184aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSDSWMEEV IKLCGRELVR AQIAICGMST WSKRSLSQED APQTPRPVAE IVPSFINKDT ETINMMSEFVANLPQELKLT LSEMQPALPQ LQQHVPVLKD SSLLFEEFKK LIRNRQSEAA DSSPSELKYL

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GLDTHSRKKR QLYSALANKC CHVGCTKRSL ARFC

Purity >85% by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Concentration 1 mg/ml

GENE INFORMATION

Gene Name [RLN2 relaxin 2 \[Homo sapiens \]](#)

Official Symbol RLN2

Synonyms RLN2; relaxin 2; relaxin 2 (H2); prorelaxin H2; bA12D24.1.1; bA12D24.1.2; H2; relaxin H2; relaxin; ovarian; of pregnancy; RLXH2; relaxin, ovarian, of pregnancy;

Gene ID [6019](#)

mRNA Refseq [NM_005059](#)

Protein Refseq [NP_005050](#)

MIM [179740](#)

UniProt ID [P04090](#)

Chromosome Location 9pter-q12

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Pathway

Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (s) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; Peptide ligand-binding receptors, organism-specific biosystem; Relaxin receptors, organism-specific biosystem; Signal Transduction, organism-specific biosystem;

Function

hormone activity;

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