

Recombinant Human Relaxin 2

Cat. No. RLN2-173H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Relaxin-2 is a nonglycosylated 6.0 kDa disulfide linked heterodimeric protein consisting of a 24 amino acid A-chain and a 29 amino acid B-chain.
Species	Human
Source	E.coli
Description	Relaxins are known endocrine and autocrine/paracrine hormones, belonging to the insulin gene superfamily. In humans there are three non-allelic relaxin genes, RLN1, RLN2 and RLN3, where RLN1 and RLN2 share high sequence homology. The active form of the protein encoded by this gene consists of an A chain and a B chain linked by disulfide bonds. Relaxin 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. Alternative splicing of this gene results in multiple transcript variants.
AA Sequence	A-Chain: QLYSALANKC CHVGCTKRSL ARFC; B-Chain: DSWMEEVIKL CGRELVRAQI AICGMSTWS
Purity	Greater than 98% by SDS-PAGE gel and HPLC analyses.
Biological Activity	Data Not Available
Note	Research Use Only. Not for use in diagnostic or therapeutic procedures.

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OfficialSymbol RLN2

GENE INFORMATION

Gene Name RLN2 relaxin 2 [Homo sapiens]

Synonyms RLN2; relaxin 2; H2; RLXH2; bA12D24.1.1; bA12D24.1.2; prorelaxin H2; Prorelaxin H2; OTTHUMP00000021027; relaxin 2 (H2); relaxin H2; relaxin, ovarian, of pregnancy; RLXH2; bA12D24.1.1; bA12D24.1.2

Gene ID 6019

mRNA Refseq NM_005059

Protein Refseq NP_005050

MIM 179740

UniProt ID P04090

Chromosome Location 9p24.1

Pathway Class A/1 (Rhodopsin-like receptors); GPCR downstream signaling; G alpha (s) signalling events

Function hormone activity

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