

Relaxin-2, human recombinant

CATALOG #:	7194-10	10 µg
	7194-50	50 µg
ALTERNATE NAMES:	H2 relaxin, RLN2	
SOURCE:	E coli	
PURITY:	≥ 98% by SDS-PAGE gel and HPLC analyses	
MOL. WEIGHT:	6.0 kDa	
ENDOTOXIN LEVEL:	< 0.1 ng/µg of protein (<1EU/µg).	
FORM:	Lyophilized	
FORMULATION:	Sterile filtered through a 0.2 micron filter. Lyophilized with no additives	
STORAGE CONDITIONS:	Store at -20°C. After reconstitution, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.	

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

DESCRIPTION:

Relaxin-2 is a peptide hormone structurally related to insulin, which is expressed in the placenta, decidua, prostate, and in the ovary during pregnancy. Of the three known relaxin genes, Relaxin-2 is the only relaxin known to circulate in the blood. Relaxin-2 binds specifically to the LGR7 and LGR8 receptors, previously identified as an "orphan" G protein coupled receptors. Signaling by Relaxin-2 through its target receptors enhances the growth of pubic ligaments and ripening of the cervix during birth. 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.

AMINO ACID SEQUENCE:**A Chain:** QLYSALANKC CHVGCTKRSL ARFC**B Chain:** DSWMEEVIKL CGRELVRAQI AICGMSTWS**RELATED PRODUCTS:**

- Relaxin-3, human recombinant (**Cat. No. 7195-10, -50**)
- Relaxin-1 Antibody (**Cat. No. 3874-100**)
- Relaxin-1 Blocking Peptide (**Cat. No. 3874BP-50**)
- Relaxin-2 Antibody (**Cat. No. 3903-200**)
- Relaxin-2 Blocking Peptide (**Cat. No. 3903BP-50**)

FOR RESEARCH USE ONLY! Not to be used in humans.