

**Relaxin-2, human recombinant protein**  
**H2 relaxin, RLN2**  
**Catalog # PBV10824r****Specification**

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**Relaxin-2, human recombinant protein - Product info**

Primary Accession [P04090](#)  
Calculated MW **6.0 kDa** **KDa**

**Relaxin-2, human recombinant protein - Additional Info**

Gene ID	<b>6019</b>
Gene Symbol	<b>RLN2</b>
<b>Other Names</b>	
H2 relaxin, RLN2	
Gene Source	<b>Human</b>
Source	<b>E. Coli</b>
Assay&Purity	<b>SDS-PAGE; ≥98%</b>
Assay2&Purity2	<b>HPLC;</b>
Recombinant	<b>Yes</b>
Sequence	<b>A Chain: QLYSALANKC CHVGCTKRSL ARFC</b> <b>B Chain: DSWMEEVIKL CGRELVRAQI</b> <b>AICGMSTWS</b>

**Target/Specificity**  
Relaxin-2

**Application Notes**

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.

**Format**

Lyophilized powder

**Storage**

-20°C; Sterile filtered through a 0.2 micron filter. Lyophilized with no additives

**Relaxin-2, human recombinant protein - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)

- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Relaxin-2, human recombinant protein - Images****Relaxin-2, human recombinant protein - Background**

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.

**Relaxin-2, human recombinant protein - References**

Hudson P., et al. EMBO J. 3:2333-2339(1984).  
Humphray S.J., et al. Nature 429:369-374(2004).  
Gunnarsen J.M., et al. Mol. Cell. Endocrinol. 118:85-94(1996).  
Garibay-Tupas J.L., et al. J. Mol. Endocrinol. 23:355-365(1999).  
Winslow J.W., et al. Endocrinology 130:2660-2668(1992).