10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Relaxin-2, human recombinant protein

H2 relaxin, RLN2

Catalog # PBV10824r

Specification

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

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 Cytomety
- 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

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Garibay-Tupas J.L.,et al.J. Mol. Endocrinol. 23:355-365(1999).
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