

## Recombinant Human Relaxin 2

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### Product Description

Relaxin 2 is a peptide hormone structurally related to insulin, which is expressed in the placenta, decidua, prostate, and ovaries 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 “orphan” G protein-coupled receptors. Signaling by Relaxin 2 through its target receptors enhances the growth of pubic ligaments, and the ripening of the cervix during birth. Recombinant Human Relaxin 2 is a non-glycosylated, 6.0 kDa, disulfide-linked, heterodimeric protein consisting of a 24 amino acid A-chain, and a 29 amino acid B-chain.

### Typical Specifications

<b>Species</b>	Human
<b>Expression</b>	E. coli Cell Expressed
<b>Purity</b>	≥98%
<b>Endotoxin</b>	<1.0 EU/μg
<b>Molecular Mass</b>	6.0 kDa
<b>Country of Origin</b>	USA

### Purity Confirmation

This was determined by SDS-PAGE gel and HPLC analysis.

### AA Sequence

alpha Subunit:

QLYSALANKC      CHVGCTKRSL      ARFC

beta Subunit:

DSWMEEVIKL      CGRELVRAQI      AICGMSTWS

### Reconstitution Buffer

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex.

### Storage

For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% HSA) and store in working aliquots at -20°C to -80°C.

#### Limited Use and Restrictions

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