

## RLN2 Human

**Description:**RLN2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 184 amino acids (25-185 a.a) and having a molecular mass of 20.7kDa.RLN2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #:PRPS-1334

For research use only.

**Synonyms:**Prorelaxin H2, RLN2, H2, RLXH2, H2-RLX, bA12D24.1.1, bA12D24.1.2.

**Source:**Escherichia Coli.

**Physical Appearance:**Sterile Filtered colorless solution.

**Amino Acid Sequence:**MGSSHHHHHH SSGLVPRGSH MGSDSWMEEV IKLCGRELVR  
AQIAICGMST WSKRSLSQED APQTPRPVAE IVPSFINKDT ETINMMSEFV ANLPQELKLT  
LSEMQPALPQ LQQHVPVLKD SLLFEEFKK LIRNRQSEAA DSSPSELKYL GLDTHSRKKR  
QLYSALANKC CHVGCTKRSL ARFC.

**Purity:**Greater than 85.0% as determined by SDS-PAGE.

### Formulation:

RLN2 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.

### Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

Prorelaxin H2 (RLN2) is a member of the insulin gene superfamily. This family which is produced by the ovary, targets the mammalian reproductive system to ripen the cervix, elongate the pubic symphysis and inhibit uterine contraction. It may also have other roles in boosting sperm motility, regulating blood pressure, controlling heart rate and releasing oxytocin and vasopressin. RLN2 is a peptide hormone linked to several therapeutically relevant physiological effects, including regulation of collagen metabolism and multiple vascular control pathways. The active form of the RLN2 protein consists of an A chain and a B chain linked by disulfide bonds.

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