

# Product information

## RLN2, 25-185aa

Human, His-tagged, Recombinant, Insect cell

Cat. No. IBATGP3545

**Full name:** Prorelaxin H2 isoform 1

**NCBI Accession No.:** NP\_604390

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

**Description:** RLN2, as known as prorelaxin H2 isoform 1, belongs to the insulin gene superfamily. This family is produced by the ovary, and targets the mammalian reproductive system to ripen the cervix, elongate the pubic symphysis and inhibit uterine contraction. It may have additional roles in enhancing sperm motility, regulating blood pressure, controlling heart rate and releasing oxytocin and vasopressin. It is 18 kDa in size and 185 aa in length. It contains a 24 aa signal sequence, a 3.3 kDa, 29 aa B domain, a 106 aa C (or connecting) domain, and a C-terminal, 2.7 kDa, 24 aa A domain. Recombinant human RLN2, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

**Form:** Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

**Molecular Weight:** 19.3kDa (170aa)

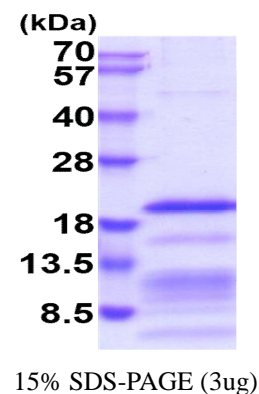
18-28kDa (SDS-PAGE under reducing conditions.)

**Predicted N terminal:** Ala

**Purity:** > 85% by SDS - PAGE.

**Concentration:** 0.5mg/ml (determined by Absorbance at 280nm)

**Endotoxin Level:** < 1.0 EU per 1µg of protein (determined by LAL method)



### Sequences of amino acids:

ADPDSWMEEV IKLCGRELVR AQIAICGMST WSKRSLSQED APQTTPRPVAE IVPSFINKDT ETINMMSEFV ANLPQELKLT LSEMQPALPQ LQQHVPVLKD SLLLFEEFKK LIRNRQSEAA DSSPSELKYL GLDTHSRKKR QLYSALANKC CHVGCTKRSL ARFCHHHHHH

### General references:

Ng TM., *et al*, (2016) *Cardiol Rev.* 24:194-204.

Sherwood OD., *et al*, (2004) *Endocr. Rev.* 25:205-234.

**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**



Manufactured for:

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# Product information

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**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.  
Avoid repeated freezing and thawing cycles.

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