

RLN2, 25-185aa, Human, His-tag, Baculovirus

Cat.NO.: TP03744

3th Edition

Synonyms:Prorelaxin H2 isoform 1, 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.)

Sequences:

ADPDSWMEEVIKLCGRELVRAQIAICGMSTWSKRSLSQEDAPQTPRPVAEIVPSFINKDTETINMMSEFVANLPQEL
KLTLSEMQPALPQLQQHVPVLKDSLLFEFFKLRNRQSEAADSSPSELKYLGLDTHSRKKRQLYSALANKCCHV
GCTKRSLARFCHHHHHH

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by BCA assay)

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

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.