

RLN2, 25-185aa, Human, His tag, E.coli

Cat.NO.: TP03743

3th Edition

Synonyms:Prorelaxin H2 isoform, bA12D24.1.1, bA12D24.1.2, H2, RLXH2

Description:Prorelaxin H2, also known as RLN2, 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. RLN2 is a peptide hormone associated with a number of therapeutically relevant physiological effects, including regulation of collagen metabolism and multiple vascular control pathways. RLN1 and RLN2 share high sequence homology. Recombinant human RLN2 protein, fused to His-tag at N-terminus, was expressed in E.coli.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

Molecular Weight:20.7 kDa (184aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSDSWMEEVIKLCGRELVRAQIAICGMSTWSKRSLSQEDAPQTPRPVAEIVPSF
INKDTETINMMSEFVANLPQELKLTSEMQLPQLQQHVPVLKDSLLFEFFKLRNRQSEAADSSPSELKYLGLD
THSRKKRQLYSALANKCCHVGCTKRSLARFC

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford 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.