Product information

RLN2, 25-185aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1863

Full name: Prorelaxin H2 isoform

NCBI Accession No.: NP_604390

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

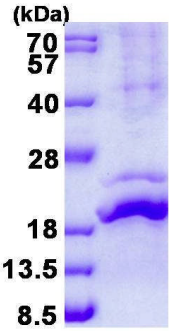
Description: Prorelaxin H2, also known as RLN2, belongs to the insulin gene superfamily. This family is produced by the ovary, and targets the mammalian reproductive system to ripen the cervix, elongate the pubic symphysis and inhibit uterine contraction. It may have additional roles in enhancing sperm 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)

Purity: > 85% by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MGSDSWMEEV IKLCGRELVR AQIAICGMST WSKRSLSQED APQTPRPVAE IVPSFINKDT ETINMMSEFV ANLPQELKLT LSEMQPALPQ LQQHVPVLKD SSLLFEEFKK LIRNRQSEAA DSSPSELKYL GLDTHSRKKR QLYSALANKC CHVGCTKRSL ARFC

General references:

Hossain M A., *et al.* (2011) *J Biol Chem.* 286(43):37555-65.

Svendsen A M., *et al.* (2008) *Mol Cell Endocrinol.* 296:10-7.

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.

Manufactured for:
Immuno-Biological Laboratories, Inc. (IBL-America)
8201 Central Ave. NE, Suite P, Minneapolis, Minnesota 55432, USA
Phone: (888) 523-1246 Fax.: (763) 780-2988
Email: info@ibl-america.com Web: www.ibl-america.com