Recombinant human Relaxin-2 protein

Catalog Number: ATGP1863

PRODUCT INFORMATION

Expression system
E.coli

Domain
25-185aa

UniProt No.
P04090

NCBI Accession No.
NP_604390

Alternative Names
Prorelaxin H2 isoform, bA12D24.1.1, bA12D24.1.2, H2, RLXH2

PRODUCT SPECIFICATION

Molecular Weight
20.7 kDa (184aa)

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity
> 85% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE, Denatured

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

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protein, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence

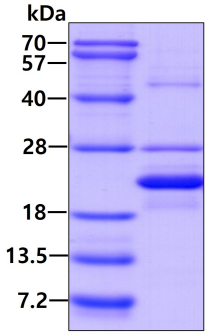
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General References

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.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.